Bacon Academy
Program of Studies
2022-2023

BACON 10

1. Students effectively communicate (by verbal, nonverbal, written and visual means) independently and collaboratively according to their audience and purpose.
2. Students collaborate by being active participants in the school and within the community.
3. Students contribute to their community through participation in service learning.
4. Students explore, choose, and engage in new and diverse experiences.
5. Students recognize and examine perspectives of global themes.
6. Students actively engage in the inquiry process in order to articulate individualized educational and post-secondary goals
7. Students solve problems using academic, technical, social, and creative skills.
8. Students analyze and evaluate sources in order to synthesize information and reach relevant conclusions.
9. Students take a position and substantiate claims using a variety of sources.
10. Students use technology ethically and responsibly to complete tasks and achieve goals.

AT BACON ACADEMY, WE VALUE

Respect, Responsibility, Achievement, Safety, and Compassion

THEREFORE, WE

Pursue our passions
Exhibit respect for ourselves and others
Achieve through hard work and resilience
Contribute to a safe environment for all
Embrace Diversity

WELCOME TO THE FAMILY 7

SCHOOL TELEPHONE NUMBERS 7

NON-DISCRIMINATION POLICY 7

STUDENT GRIEVANCE PROCEDURES—TITLE VI, TITLE IX AND SECTION 504 OF THE REHABILITATION ACT OF 1973 7

CORE VALUES AND BELIEFS 8

BACON 10 8

BACON ACADEMY DIPLOMA REQUIREMENTS 8

Credits 8

Transfer Credits 10

Grade-level Promotion 11

STANDARDIZED TESTING 11

SAT State Assessment for Grade 11 11

Practice SAT (PSAT) 11

COURSE LEVELS AND ACADEMIC STANDARDS 11

Level 1: Post-Secondary Preparatory 11

Level 2: College Preparatory 11

Level 3: Advanced College Preparatory 12

Level 4: Advanced Placement 12

WEIGHTED GRADE POINT AVERAGE AND CLASS RANK --Transcript Purposes Only 12

COURSE ENROLLMENT POLICIES 13

Course Override by a Student and Parent/Caregiver 13

Course Changes by a Student and Parent/Caregiver 13

Withdrawal of a Course by the School 13

Number of Courses Required For Full-Time Enrollment 13

College Courses and Credit Policy 13

SUMMER SCHOOL POLICY 14

Credit Recovery 14

CREDIT FOR ADVANCEMENT 14

Studio Art Portfolio Prep 14

Civics (online) 14

ADVANCED PROGRAMS FOR COLLEGE CREDITS 15

Advanced Placement (AP®) College Board Program 15

University of Connecticut - Early College Experience (Uconn ECE) 15

Three Rivers Community College - College Career Pathways (Three Rivers-CCP) 15

Eastern Connecticut State University Dual Enrollment Program (ECSU-DEP) 16

Gateway Community College - College Career Pathways (GCC-CCP) 16

Three Rivers Community College - High School Partnership Program (TRCC-HSPP) 17

OTHER COURSE OPTIONS **17**
Independent Study 17
Virtual High School (VHS) 18

SPECIAL PROGRAMS **18**
Special Education 18
SOAR Program 18
Alternative Education Program 18
Life Skills Program 18
School Choice 19

SPECIAL SERVICES **19**
Learning Strategies 19
Academic Support 19
SRBI—Scientific Research-Based Intervention 19
Math Lab 19
Writing Center 19
Speech and Language Therapy 19
Counseling Services 19
ELL (English Language Learners) Services 19
BRICK 20

SEAL OF BILITERACY **20**

FOREIGN EXCHANGE STUDENTS—POLICIES AND REGULATIONS **20**

NCAA ELIGIBILITY CENTER—for the College-Bound Student Athlete **21**

List of Eligible Bacon Academy Core Courses **22**

BUSINESS EDUCATION **23**
(0610) INTRODUCTION TO BUSINESS **23**
(0612) PERSONAL FINANCE **23**
(0614) INVESTING **23**
(0621) BUSINESS LAW **23**
(0628) ACCOUNTING 1 **24**
(0632) ACCOUNTING 2 **24**
(0651) MARKETING AND ENTREPRENEURSHIP **24**
(0650) SPORTS & ENTERTAINMENT MARKETING **24**
(0622) MARKETING COMMUNICATIONS **24**
(0615) LIFE AND FINANCES: GETTING STARTED **24**

ENGLISH **25**
ENGLISH GRADE 9 **25**
(0111) ENGLISH **25**
(0112) ENGLISH **25**
(0113) ENGLISH **26**
ENGLISH GRADE 10 **26**
(0121) ENGLISH **26**
(0122) ENGLISH **26**
(0123) ENGLISH **27**

ENGLISH GRADE 11 27
(0132) ENGLISH 27
(0133) ENGLISH 28
(0136) 🔓 AP® LANGUAGE AND COMPOSITION 28
ENGLISH GRADE 12 28
(0142) ENGLISH 28
(0143) ENGLISH 29
(0175) 🔓 ECE ENGLISH LITERATURE AND COMPOSITION 29
(0176) 🔓 AP® ENGLISH LITERATURE AND COMPOSITION 29
ENGLISH ELECTIVES 30
(0149) CREATIVE WRITING 30
(0188) IMAGES OF WOMEN 30
(0168) SCIENCE FICTION 30
(0193) AUTHORS AND ACTIVISM 30
(0150) 🔓 PUBLIC SPEAKING 30
(0159) FOUNDATIONAL READING SKILLS 31
(0157) READING COMPREHENSION SKILLS 31
FAMILY AND CONSUMER SCIENCES 31
CLOTHING AND TEXTILES 32
(0804) APPAREL AND FURNISHINGS 32
(0805) INTERIOR DESIGN 32
CULINARY/BAKE SHOP 33
(0820) BAKE SHOP I 33
(0819) 🔓 BAKE SHOP II 33
(0811) CULINARY ARTS I 33
(0812) 🔓 CULINARY ARTS II 33
(0821) ACADEMY CAFE 34
HOSPITALITY 34
(0845) HOSPITALITY 1 34
(0846) HOSPITALITY 2 34
HUMAN DEVELOPMENT 34
(0832) EARLY CHILDHOOD 34
(0833) MIDDLE CHILDHOOD 35
(0835) 🔓 LIFESPAN DEVELOPMENT UNIVERSITY OF CONNECTICUT 35
(0843) 🔓 THE PRESCHOOLER 35
(0844) LIFE AFTER HIGH SCHOOL (formerly TEEN ISSUES AND RELATIONSHIPS) 36
MATHEMATICS 37
(0320) ALGEBRA 1 A/B 38
(0315) ALGEBRA 1 38
(0327) ALGEBRA 2 38
(0332) ALGEBRA 2 39
(0333) ALGEBRA 2 39
(0336) ADVANCED MATH 39
(0353) 🔓 AP® CALCULUS AB 39
(0354) 🔓 AP® CALCULUS BC 40
(0355) 🔓 AP® STATISTICS 40
(0361) APPLICATIONS OF ALGEBRA 2 & TRIG 40

(0335) DISCRETE MATH 41
(0308) GEOMETRY 41
(0322) GEOMETRY 41
(0323) GEOMETRY 42
(0343) PRE-CALCULUS 42
(0371) TRIGONOMETRY & STATISTICS 42
MATH ELECTIVES 42
(0352) COMPUTER PROGRAMMING 1A 42
(0356) COMPUTER PROGRAMMING 1B 43
(0362) COMPUTER PROGRAMMING 2 43
(0357) 🔓 AP® COMPUTER SCIENCE 43
(0364) COMPUTER PROGRAMMING 4 43

MUSIC 44
(0854) CONCERT BAND PERCUSSION 44
(0851) SYMPHONIC BAND 44
(0852) WIND ENSEMBLE 44
(0866) WIND ENSEMBLE 44
(0857) JAZZ BAND 45
(0872) 🔓 MUSIC FUNDAMENTALS—With Technology 45
(0874) MUSIC TECHNOLOGY 45
(0858) 🔓 AP® MUSIC THEORY 45
(0860) CONCERT CHOIR 45
(0867) CHAMBER/JAZZ CHOIR 46
(0862) WOMEN'S CHOIR 46

PHYSICAL EDUCATION/HEALTH 46
(0950) PERSONAL HEALTH AND WELLNESS 46
(0939) SENIOR HEALTH AND WELLNESS 47
(0945) PHYSICAL EDUCATION - Lower PE Non-weighted 47
(0946) PHYSICAL EDUCATION—Upper PE Non-weighted 47
(0953) 🔓 ADVANCED WEIGHT TRAINING - Upper PE weighted 47
(0954) 🔓 INTRODUCTION TO FITNESS -- Upper PE weighted 48
(0955) 🔓 LIFETIME FITNESS -Upper PE weighted 48

SCIENCE 48
(0425) BIOLOGY 49
(0426) BIOLOGY 49
(0427) 🔓 AP® BIOLOGY 49
(0438) CHEMISTRY IN THE COMMUNITY 50
(0435) CHEMISTRY 50
(0436) CHEMISTRY 50
(0437) 🔓 AP® CHEMISTRY 50
(0472) ENERGY EXPLORATIONS 51
(0473) ENERGY EXPLORATIONS 51
(0468) 🔓 ENVIRONMENTAL SCIENCE 51
(0470) 🔓 AP® ENVIRONMENTAL SCIENCE 52
(0446) 🔓 FORENSICS 52
(0454) 🔓 HUMAN ANATOMY/PHYSIOLOGY 52

(0474) 🔓 HUMAN ANATOMY/PHYSIOLOGY- APPLICATIONS 53
(0453) 🔓 MARINE SCIENCE 53
(0449) PHYSICS 53
(0451) 🔓 AP® PHYSICS 1 54
(0458) 🔓 AP® PHYSICS 2 54
(0459) STEM PHYSICS 54
(0455) 🔓 SCIENCE AND ALTERNATIVE ENERGY TECHNOLOGY 55
(0462) SCIENCE RESEARCH 55

SENIOR CAPSTONE PROJECT 55
(0190) SENIOR CAPSTONE PROJECT 55

SOCIAL STUDIES 56
(0211) INTRODUCTION TO GEOGRAPHY 56
(0212) INTRODUCTION TO GEOGRAPHY 57
(0213) INTRODUCTION TO GEOGRAPHY 57
(0230) AFRICA & LATIN AMERICA 57
(0234) AFRICAN AMERICAN/BLACK AND PUERTO RICAN/LATINO STUDIES 57
(0238) CONTEMPORARY ISSUES 58
(0229) ASIAN STUDIES 58
(0260) EUROPEAN CIVILIZATION 58
(0258) MIDDLE EAST STUDIES 59
(0262) 🔓 AP® WORLD HISTORY: MODERN 59
(0250) 🔓 AP® HUMAN GEOGRAPHY 59
(0231) UNITED STATES HISTORY 59
(0232) UNITED STATES HISTORY 60
(0233) UNITED STATES HISTORY 60
(0243) 🔓 AP® UNITED STATES HISTORY 60
(0264) 🔓 AP® AMERICAN GOVERNMENT AND POLITICS 60
(0245) CIVICS 60
(0259) ECONOMICS 61
(0242) PSYCHOLOGY 61
(0244) SOCIOLOGY 61
(0246) ANTHROPOLOGY 61

TECHNOLOGY EDUCATION 62
(0739) 🔓 ADVANCED GRAPHICS 62
(0774) 🔓 ARCHITECTURAL ENGINEERING 62
(0729) 🔓 AUTOMOTIVE TECHNOLOGY 62
(0724) COMPUTER INFORMATION TECHNOLOGY 63
(0778) 🔓 DIGITAL PHOTOGRAPHY 63
(0775) ENGINEERING 1 63
(0776) ENGINEERING 2 63
(0777) GRAPHICS I 63
(0753) MANUFACTURING I 64
(0726) 🔓 MANUFACTURING II 64
(0757) MANUFACTURING DESIGN AND PRODUCTION 64
(0718) 🔓 PRE-ENGINEERING 64
(0455) 🔓 SCIENCE AND ALTERNATIVE ENERGY TECHNOLOGY 64

(0725) 🔓 TECHNICAL REPAIR 65
(0714) VIDEO PRODUCTION 1 65
(0736) VIDEO PRODUCTIONS 2 65
(0754) WOODS 1 65
(0755) WOODS 2 66

VISUAL LITERACY 66
(0888) ART PORTFOLIO 66
(0896) CERAMICS 66
(0897) ADVANCED CERAMICS 67
(0882) DRAWING I 67
(0886) ADVANCED DRAWING 67
(0891) 3-D DESIGN AND STAINED GLASS 67
(0889) ILLUSTRATION 68
(0884) PAINTING I 68
(0885) ADVANCED PAINTING 68
(0898) SKETCHBOOK FUNDAMENTALS 68
(0899) 🔓 AP® STUDIO ART 69
(0831) UNIFIED ART 69

WORLD LANGUAGE 69
FRENCH 70
(0510) FRENCH 1 71
(0520) FRENCH 2 71
(0530) FRENCH 3 71
(0531) FRENCH 3 71
(0540) FRENCH 4 72
(0563) ADVANCED FRENCH GLOBAL CULTURE 72
(0564) ADVANCED FRENCH LANGUAGE AND CIVILIZATION 73
(0550) 🔓 AP® FRENCH LANGUAGE & CULTURE 73
SPANISH 73
(0512) SPANISH 1 73
(0522) SPANISH 2 74
(0532) SPANISH 3 74
(0533) SPANISH 3 74
(0542) 🔓 SPANISH 4 74
(0554) 🔓 ADVANCED SPANISH LANGUAGE 75
SPANISH ELECTIVES 75
(0514) SPANISH CULTURE THROUGH CINEMA 75
(0517) SPANISH FOR THE WORKING WORLD 76
(0519) SURVIVAL SPANISH FOR THE TOURIST 76
(0524) WORLD OF SPORTS: SPAIN AND L.A. 76

YEARBOOK 76
(0731) YEARBOOK PRODUCTION 76

WELCOME TO THE FAMILY

Dear Students and Parent/Caregivers,
With its proud history and rich traditions, Bacon Academy promotes a family-like partnership of students, staff, parents and community. The 2022-2023 Program of Studies (POS) has been updated to reflect this approach as well as the demands of the current century, and will provide you with the information you need to make the best and most educated decisions regarding your future. The expectations outlined within the POS will ensure you are afforded a rigorous and authentic learning experience, and will also challenge you to chart your course towards graduation from Bacon Academy.

We encourage you to connect with your parents/caregivers, teachers, and community members when making decisions regarding course selection and your education. Utilize the POS to learn about courses, to understand what is required for graduation, and to become informed of the new and exciting opportunities offered here at Bacon Academy. Questions are always welcome, and every one of us here at the Academy look forward to helping you obtain the best learning experience possible!

Warm Regards,
Your Bacon Academy Family

SCHOOL TELEPHONE NUMBERS

Bacon Academy Office	860-537-2378	Matthew Peel, Principal
Fax:	860-537-5410	
Superintendent of Schools:	860-537-7208	Jeffrey Burt, Superintendent
Pupil Services and Special Education:	860-537-3103	Kathleen Perry, Director

NON-DISCRIMINATION POLICY

The Board of Education complies with all applicable federal, state and local laws prohibiting the exclusion of any person from any of its educational programs or activities, or the denial to any person of the benefits of any of its educational programs or activities because of race, religious creed, ancestry color, national origin, sex, sexual orientation, gender identity or expression, marital status, age, or disability.

1. Title IX Gender Equity Officer is Ms. Kathleen Perry, Director of Pupil Services and Special Education
2. Section 504 Compliance Officer is Ms. Kathleen Perry, Director of Pupil Services and Special Education
3. Title VI (Civil Rights) Compliance Officer is Ms. Kathleen Perry, Director of Pupil Services and Special Education

STUDENT GRIEVANCE PROCEDURES—TITLE VI, TITLE IX AND SECTION 504 OF THE REHABILITATION ACT OF 1973

This grievance procedure shall be available to each student at Bacon Academy by indicating a complaint to be in violation of application sections of Title VI, Title IX of the Educational Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973. A grievance shall mean a complaint which has been filed by a student in his/her behalf or by a student's parent/caregiver in their behalf dealing specifically with Title VI, Title IX and Section 504 of the Rehabilitation Act of 1973 and shall state the applicable section of the act in violation. Any such student claiming that he or she has been discriminated against in violation of applicable sections of Title VI, Title IX of the Educational Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973 shall have the right to file a grievance. For further information see the *Bacon Academy Student/Parent Handbook.*

CORE VALUES AND BELIEFS

With its proud history and rich traditions, Bacon Academy promotes a family-like partnership of students, staff, parents/caregivers, and community.

Because we value:	**Therefore, we:**
● Respect ● Responsibility ● Achievement ● Safety ● Compassion	● Pursue our passions ● Exhibit respect for ourselves and others ● Achieve through hard work and resilience ● Contribute to a safe environment for all ● Embrace diversity

BACON 10

1. Students effectively communicate (by verbal, non-verbal, written and visual means) independently and collaboratively according to their audience and purpose.
2. Students collaborate by being active participants in the school and within the community.
3. Students contribute to their community through participation in service learning.
4. Students explore, choose, and engage in new and diverse experiences.
5. Students recognize and examine perspectives of global themes.
6. Students actively engage in the inquiry process in order to articulate individualized educational and post-secondary goals.
7. Students solve problems using academic, technical, social, and creative skills.
8. Students analyze and evaluate sources in order to synthesize information and reach relevant conclusions.
9. Students take a position and substantiate claims using a variety of sources.
10. Students use technology ethically and responsibly to complete tasks and achieve goals.

BACON ACADEMY DIPLOMA REQUIREMENTS

Credits

Twenty–five credits are required to earn a Bacon Academy diploma. The following is a list of the credit breakdown and distribution of credits beginning with the class of 2023 and later:

<u>9 credits in Humanities:</u>	
English	4 credits
Social Studies	3.5 credits (including .5 credits in Civics)
Fine Arts	1.0 credit
Humanities elective	0.5 credit
<u>9 credits in science, technology, engineering and mathematics:</u>	
Math	4 credits
Science	3 credits
Elective credits in science, math, or technology education (STEM)	2 credits
Physical Education	1.0 credit
Health and Wellbeing	1.0 credit (0.5 credits in Grade 9 and 0.5 credits in Grade 12)
World Language (course proficiency level of Novice Mid-High)	1.0 credit
Capstone	1.0 credit
Additional electives	3.0 credits

Courses that qualify as STEM Electives:

0714 - Video Production 1
0736 - Video Productions 2
0718 - Pre-Engineering
0724 - Computer Information Technology
0725 - Technical Repair
0753 - Manufacturing 1
0726 - Manufacturing 2
0729 - Automotive Technology
0731 - Yearbook Production
0754 - Woods 1
0755 - Woods 2
0757 - Manufacturing Design & Production
0774 - Architectural Engineering
0775 - Engineering 1
0776 - Engineering 2
0739 - Advanced Graphics
0777 - Graphics I
0778 - Digital Photography
0352 - Computer Programming 1A
0356 - Computer Programming 1B
0362 - Computer Programming 2
0364 - Computer Programming 4
0357 - AP Computer Science
0466 - AP Environmental Science
0468 - Environmental Science
0446 - Forensics
0454/0456 - Human Anatomy/Physiology
0458 - Marine Science
0459 - STEM Physics
0455 - Science & Alternative Energy Technology

****Any math or science classes taken beyond the required credits (4 math, 3 science) can be counted toward the 2 required elective STEM credits.****

Courses that qualify as Humanities Electives:

0149 - Creative Writing
0150 - Public Speaking
0157 - Reading Skills
0188 - Images of Women
0168 - Science Fiction
0193 - Authors & Activism
0259 - Economics
0242 - Psychology
0244 - Sociology
0246 - Anthropology
0234 - African American/Black and Puerto Rican/Latino Studies

****Any social studies classes taken beyond the required credits (3.5 including Civics) can be counted toward the .5 required elective Humanities credit.****

****Any world language classes taken beyond the required 1.0 credit can be counted toward the .5 required elective Humanities credit.****

Courses that qualify as Fine Arts:

0888 - Art Portfolio
0896 - Ceramics
0897 - Advanced Ceramics
0882 - Drawing 1
0886 - Advanced Drawing
0891 - 3-D Design & Stained Glass
0889 - Illustration
0884 - Painting 1
0885 - Advanced Painting
0898 - Sketchbook Fundamentals
0899 - AP Studio Art
0831 - Unified Art
0872 - Music Fundamentals
0858 - AP Music Theory
0867 - Chamber/Jazz Choir
0852/0866 - Wind Ensemble
0862 - Women's Choir
0860 - Concert Choir
0857 - Jazz Band
0854 - Concert Band Percussion
0851 - Symphonic Band
0874 - Music Technology

Transfer Credits

To determine whether courses listed in a student record will be recognized as meeting the credit requirements at Bacon Academy, the following criteria will be applied by the student's school counselor.

- The school/program should meet the same standards as Bacon Academy; that is, the standards of membership approved by one of the six regional accreditation agencies in the nation or the Connecticut State Department of Education's curriculum guides.
- Requirements contained in the Colchester Board of Education Policy and Credit Regulation.
- Student transfer credits will be limited in number to no more than the same which could have been earned at Bacon Academy for the given year.
- The transfer credit must meet the requirement of credit as defined by Connecticut's Department of Education regulations. Courses which meet for at least 40 minutes a day, 5 days per week for the school year that is offered no less than 180 days, or the equivalent of a modified schedule, receive one credit. Courses meeting less than 180 days will be prorated on quarter credit or half credit basis. Some courses which will meet on a modular basis and accumulate at least 120 hours of classroom instruction per year, 60 hours per semester, or 30 hours per quarter can receive credit.
- The course(s) for transfer credit could be taught at Bacon Academy to all students in the regular curriculum as stated in the state and federal statutes, state and federal case law, the regulations of the state and federal education agencies, and the Colchester Board of Education policy. For courses in religion, this means credit may be granted to courses, whose purpose and content is the study of religion, i.e., comparative religion, history of, and similar approaches which meet other requirements of this regulation. Credit is not granted to courses whose purpose and content is religious study.

In cases where there is doubt about granting credit, documents which detail the course(s) purpose, objective, content, materials and other requirements will be examined by the student's school counselor and an ad hoc faculty committee who will make a recommendation to the principal. The principal will decide if the course(s) in question will be given credit. The principal's decision may be appealed to the Superintendent of Schools.

Grade-level Promotion
Students must earn a minimum of 6.0 credits per academic year to maintain progress toward earning the 25.0 credits required for graduation (see table below). Students will be promoted to the next grade level when they have earned 6.0 credits in an academic year, and *must include* one credit in grade-level English and one credit in a Math course. A student entering grade 12 with a credit deficiency will work with his/her counselor to develop a plan to assist in meeting graduation requirements.

To Grade 10	6.0 credits (including grade 9 English & Math)
To Grade 11	12.0 credits (including grade 10 English & Math)
To Grade 12	18.0 credits (including grade 11 English & Math)
TO GRADUATION	25 CREDITS*

Students who earn only the minimum number of credits during their four years of high school will be one credit short of the 25 required for graduation.

STANDARDIZED TESTING

SAT State Assessment for Grade 11
In October of 2015, the Connecticut State Board of Education adopted the SAT (created by the College Board) as the annual state assessment for eleventh graders in Connecticut. All students in Connecticut must be tested once in high school for English language arts/ literacy and mathematics using the same assessment for all students. This is a requirement of federal and state law. By adopting the SAT, we are eliminating duplicate testing and eleventh grade students in Connecticut will have an opportunity to take the SAT free of charge during the school day.

Practice SAT (PSAT)
All students in grade 10 will participate in the PSAT assessment.

COURSE LEVELS AND ACADEMIC STANDARDS

To provide the appropriate level of academic challenge for each student, courses in certain subject areas have been assigned varying levels of difficulty. The following is an explanation of the levels:

Level 1: Post-Secondary Preparatory
Courses at this level of difficulty are essentially fundamental in nature and are aligned to meet individual needs. These courses are offered in English (grades 9 and 10 only), math, social studies (Introduction to Geography only), and science. Every effort is made to keep class size at 15 or less. Students are recommended by their teachers to take a level 1 course. ***Homework will consist of exercises and guided practices that the teacher judges the student can do independently.***

Level 2: College Preparatory
Courses at this level of difficulty represent the vast majority in all subject areas at Bacon Academy. These courses are designed for students who have mastered the skills and content of previous courses or who have the knowledge and background to meet the course requirements at grade level. For advanced and sequential elective courses, recommendation of the teacher is required. ***Daily homework, study, and class preparation requirements will range from 30 minutes to an hour in length.***

Level 3: Advanced College Preparatory
Courses at this level are the most demanding college preparatory courses. Students who enroll in these courses have demonstrated high achievement in certain subject areas. Students must be recommended by their teachers for Level 3 courses. Level 3 courses may require summer homework. ***Daily homework, study, and class preparation requirements may range from 45 minutes to one hour every day.***

Level 4: Advanced Placement
Advanced Placement courses are college-level courses offered at Bacon Academy. Students may earn a college credit upon successful completion of the AP Exam administered in May based on individual college policy. Individual colleges determine their own policies for granting credit and/or advanced placement for AP courses. Advanced Placement courses may require a significant amount of summer homework, involving extensive reading and various writing assignments that might include a research paper. All AP classes require a time commitment of 1 hour of daily home study per course all year long. ***At times, an AP course may require more than an hour of homework. Additional after school instruction may also be necessary in these challenging courses.***

WEIGHTED GRADE POINT AVERAGE AND CLASS RANK -- *Transcript Purposes Only*

All courses offered at Bacon Academy have been assigned a level of instruction (i.e., Level 1, 2, 3, and 4). A numeric value is assigned for each course, which is determined by the course level and the grade received as outlined in the weighted GPA table. A student's Weighted Grade Point Average (GPA) is based on all courses, with the exception of:

- Physical Education
- Senior Capstone
- Independent Study
- Summer school courses for credit recovery
- Courses taken outside of Bacon Academy

WEIGHTED POINT SYSTEM

	Numeric Grade	AP Courses (L4)	Level 3 (L3)	Level 2 (L2)	Level 1 (L1)
A+	97-100	5.67	4.67	4.33	4.00
A	93-96	5.33	4.33	4.00	3.67
A-	90-92	5.00	4.00	3.67	3.33
B+	87-89	4.67	3.67	3.33	3.00
B	83-86	4.33	3.33	3.00	2.67
B-	80-82	4.00	3.00	2.67	2.33
C+	77-79	3.67	2.67	2.33	2.00
C	73-76	3.33	2.33	2.00	1.67
C-	70-72	3.00	2.00	1.67	1.33
D+	67-69	2.67	1.67	1.33	1.00
D	63-66	2.33	1.33	1.00	.67
D-	60-62	2.00	1.00	.67	.33
F	0	0	0	0	0

The weighted Grade Point Average (GPA) and class rank is calculated by multiplying the assigned numeric value from the weighted GPA table by the number of credits for each course, then adding these numbers together, and dividing by the total number of credits taken.

COURSE ENROLLMENT POLICIES

Course Override by a Student and Parent/Caregiver
If a student and parent/caregiver choose to override the decision of placement in a course by the teacher, a waiver form must be signed by the parent/caregiver, student, teacher, teacher leaders, and Principal. The completed override form is due to guidance by May 6, 2022.

Course Changes by a Student and Parent/Caregiver
For other than routine changes to a student's schedule, in the first six days of a semester or for the correction of scheduling errors, a student may not withdraw or enter a course after it has been in progress. Only for extraordinary reasons may a student request permission to drop a course. A student wishing to drop a course must complete a request form prior to seeking approval from the teacher, counselor, and principal.

Failure of a course is not considered to be an extraordinary reason for withdrawal. After the five day add/drop window, withdrawal from a course will show on a student's transcript in the form of W/P (withdrawal and passing) or W/F (withdrawal and failing). School counselors are available for twenty days during the summer months to assist in scheduling conflicts and changes. Counselor availability includes five days at the end of the academic year and five days prior to the start of school in the fall.

Withdrawal of a Course by the School
A course may be withdrawn from a student's schedule due to over or insufficient enrollment, lack of staff, limited facilities, or inadequate skills and aptitude on the part of the student.

Number of Courses Required For Full-Time Enrollment
The minimum number of courses required to be a full-time student is 6.0 credits. Because of graduation requirements, priority will be given to upperclassmen if the size of the class necessitates adjustment. Students are prohibited from enrolling in two high schools simultaneously. If a student opts to register at a magnet, charter, private, vocational-technical, or agricultural school, they will do so on a full-time basis.

Seniors wishing to maintain full-time enrollment and take fewer than 6.0 credits must meet the following criteria:

1. Students must be in good academic standing and on track for graduation.
2. Students must have a disciplinary record that includes fewer than 2 detentions in the current/previous semester.
3. Students must receive written approval from his/her parent/caregiver and school counselor prior to requesting approval from administration.

Administration will consider a reduction in credit-load if one or more of the following apply:

1. The student is employed by a legitimate business, and the student can provide proof of employment and weekly working hours.
2. The student's course load is such that the rigor of the course-work lends itself to a reduced workload.
3. There are no courses available to the student and/or the addition of a new course would require significant adjustments to the student's schedule.

NOTE: Students wishing to remain at school will be assigned to a study hall.

College Courses and Credit Policy
High school credit is given to college courses that are in our Program of Studies and approved by the Board of Education. Presently, these courses include courses offered in partnership with Three Rivers Community College, University of Connecticut, Eastern Connecticut State University, and Gateway Community College.

Other courses taken outside of Bacon Academy will only be granted credit towards a diploma if permission is given from the principal and the student's school counselor prior to enrolling in the course. Grades for these courses will not be calculated as part of a student's cumulative GPA.

SUMMER SCHOOL POLICY

Credit Recovery

The only recovery credits granted toward a Bacon Academy diploma are those taken to earn credit for failed courses in Summer School and approved by Bacon Academy. An enrollment fee of $250 is required. Interested students must meet the following requirements to enroll in Bacon Academy Summer School for credit recovery:

- The student must have completed the failed course and taken the final examination.
- The student must have earned at least a 50% for the course.
- Students who lose credit because of the attendance policy can take Summer School courses to recover credit with the permission of the teacher.
- Students must not have exceeded the maximum of two credits toward graduation through Summer School.

NOTE: A student's failing grade is calculated into his/her cumulative GPA. The grade earned in Summer School will show on a student's transcript; however, Summer School credit recovery grades will not be included in a student's cumulative GPA. Summer school courses are subject to being offered only if enough students are in need of a particular course.

NOTE: Physical Education will no longer be offered as a credit advancement opportunity for students, but will be offered as a credit recovery option for students if enough students are in need of the course.

CREDIT FOR ADVANCEMENT

Bacon Academy will be offering Summer School courses for advancement in Studio Art Portfolio Prep, and Civics. Summer School credit advancement courses will be included in a student's cumulative GPA.

Studio Art Portfolio Prep

The Studio Art Portfolio Prep course is a highly advanced preparatory course worth half a credit for the student planning to enroll in AP Studio Art, choose Art as a career path, or compiling a portfolio of work for presentation to a college or potential employer. Intensive drawing and painting assignments will be given where students will be expected to demonstrate a high level of achievement and independent and creative solutions. A sketchbook is required to include studies and writings, as well as documentation of art History discussions and field trips. *Prerequisite: Open only to students entering grade 12 who have taken all fundamental studio art courses, and teacher recommendation. The fee for this course is $400 and includes all required materials.*

Civics (online)

Civics Online is a Level 2 course for 0.5 credit. Heavy emphasis will be placed on the political process and government of the United States, stressing case studies and court decisions. This course is designed to introduce seniors and/or juniors who are transitioning into senior year to the political process, in which they will understand and demonstrate a positive role in the community, and develop the ability to cooperate in a diverse world. This course will be offered online for six weeks during the summer months. Students must have access to a computer and the internet. *The fee for this course is $350.*

ADVANCED PROGRAMS FOR COLLEGE CREDITS

When reading the course descriptions in the Program of Studies, you will see a 🔓 symbol. This symbol indicates that the course can earn possible college credits. The prerequisites for each course are listed in each course description.

Advanced Placement (AP®) College Board Program
Bacon Academy offers qualified students enrollment in advanced placement courses which prepare students for advanced placement exams administered in May by the College Board. All students enrolled in an AP course must pay exam fees to the College Board if they wish to take the AP exam at the end of the course. Granting of college credit(s) is determined by individual college policy. Advanced placement courses offered at Bacon Academy include Studio Art, Chemistry, Biology, Physics, Environmental Science, Calculus AB and BC, Statistics, U.S. History, World History: Modern, Human Geography, American Government and Politics, English Language and Composition, English Literature and Composition, and Computer Science. *In order to best manage the workload, it is recommended that Bacon Academy students not enroll in more than 4 AP® courses per year.*

University of Connecticut's Early College Year Experience
UConn Early College Experience (ECE) provides academically motivated students with the opportunity to take university courses while in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and a financial head-start on a college degree and other postsecondary opportunities. UConn ECE instructors are high school teachers certified as adjunct professors by the University. UConn ECE faculty foster independent learning, creativity and critical thinking - all important for success in college and careers. Bacon Academy offers UConn ECE courses in the disciplines listed below. To support rigorous learning, University of Connecticut academic resources, including library and online classroom access, are available to all UConn ECE students.

Bacon Academy Course Name/Number	UCONN Course Name/Number
ECE English Literature and Composition (0175)	Seminar in Academic Writing and Multimodal Composition (ENGL 1007)
AP® Environmental Science (0470)	Environmental Science (NRE 1000)
Music Fundamentals (0872) or AP Music Theory (0858)	Fundamentals & Ear Training 1 (MUSI 1011)
Lifespan Development (0835)	Individual & Family Development (HDFS 1070) *Pending Approval*
Marine Science (0453)	Introduction to Oceanography (MARN1002)

After successful completion of the course with a grade of 75 or better, students will receive University credit. The credit is recorded on a University of Connecticut transcript and is available upon request. If a student fails to successfully complete the course with a 75 or better, they will be denied University of Connecticut credit. However, a Bacon Academy credit can still be earned.

Three Rivers Community College College and Careers Pathways (CCP)
The Three Rivers Community College offers a free, dual-enrollment program taught at Bacon Academy by teachers that have also been approved as adjunct professors at TRCC. Students can earn both high school and college credit. If a student fails to successfully complete the course with a 73 or better, they will be denied TRCC credit. However, a Bacon Academy credit can still be earned. The college credit is transferable to most colleges and universities. The current available list of college courses is listed.

Bacon Academy Course Name/Number	TRCC Course Name/Number
The Preschooler (0843)	ECE* K101 – Introduction to Early Childhood
Pre-Engineering (0718)	CAD* K141 Basic 3D Parametric Modeling & Lab Solidworks ***Algebra II co-req***
Forensics (0446)	CJS*K285 Forensic Science with Lab ***Honors English pre-req***
Advanced Graphics (0739)	GRA*K151 Graphic Design I ***Grade 11 or 12 College Prep or Honors English or AP English co-req***
Advanced Weight Training (0953)	HPE*K130 Weight Training & Fitness ***Algebra I pre-req and Grade 11 or 12 English co-req***
Architectural Engineering (0774)	ARC*K135/135L Construction Graphics
Intro to Fitness (0954)	HPE*K105 Intro Exercise Science ***Grade 11 or 12 English co-req***
Lifetime Fitness (0955)	HPE*K128 Lifetime Fitness
Manufacturing 2 (0726) (Those students enrolled in the Manufacturing Pipeline Program will receive additional credits in the listed courses)	MFG*K102 Manufacturing Processes Manufacturing Pipeline Program (MFG* K124 Blueprint Reading, ,MFG* K115 Safety in the Workplace, MFG* K153 Manufacturing Machinery: Benchwork. **OPTIONAL** Challenge Exam: MFG* K105 Manufacturing Math *Passing grade on TRCC Manufacturing Evaluation required in order to earn college credit.*
Science and Alternative Energy (0455)	ARC*K214 Sustainable Construction
Digital Photography (0778)	GRA*K131 Digital Photography

Eastern Connecticut State University Dual Enrollment Program (ECSU-DEP)

Eastern Connecticut State University Dual Enrollment Program is a concurrent enrollment program that works with high school students. The courses are taught on the high school campus by ECSU certified high school instructors. Bacon Academy offers the following ECSU - DEP courses.

Bacon Academy Course Name/Number	ECSU- DEP Course
Human Anatomy/Physiology (0454/0474)	Human Biology Lecture & Lab (BIO 202/BIO 203)
Spanish 4 (0542)	Introductory Spanish 1 & 2 (SPA 110/111)
Advanced Spanish Language (0554)	Advanced Spanish 1 & 2 (SPA 210/211)
Environmental Science (0468)	Ecology and the Environment (BIO 200)
AP® Physics 1 (0451)	General Physics 1 with lab and General Physics 2 with lab (PHY 204/205)
AP® Calculus AB (0353) or AP® Calculus BC (0354)	Calculus 1 & 2 with Technology (MAT 243/244)
AP® Studio Art (0899)	Studio Art Introduction (ART 100)
Public Speaking (0150)	Public Speaking (COM 230)

Gateway Community College - College Career Pathways Program (GCC-CCP)

Courses are held on high school campuses and are taught by high school instructors who have met community college hiring qualifications. We strive to ease the transition from high school to college, and to increase the number of college-bound high school students in our community.

Bacon Academy Course Name/Number	Gateway Course Name/Number
Automotive Technology (0729) or Technical Repair (0725)	Automotive Systems & Shop Practices (AUT*132)
Bake Shop 2 (0819)	Principles of Baking 1 (HSP*103)
Culinary 2 (0812)	Principles of Food Preparation (HSP*101)

THREE RIVERS COMMUNITY COLLEGE and MANCHESTER COMMUNITY COLLEGE - PARTNERSHIP PROGRAM (TRCC/MCC-PP)

A limited number of accepted Juniors and Seniors (in good academic standing) will be allowed to take after school and evening courses at Three Rivers Community College and Manchester Community College, for both college and high school credit. Students can take a maximum of 8 credits at TRCC/MCC per year without any tuition cost except for books and lab fees. Students or their parents are responsible for all transportation to and from TRCC/MCC. Each 3 credit semester college class will equal 0.5 high school credits. TRCC/MCC Partnership credits count toward high school graduation, but are not used to calculate students Bacon Academy GPA or class rank. Prior to registering all TRCC/MCC Partnership courses must be approved by Mr. Sefchik (TRCC/MCC Partnership Site Coordinator), the appropriate Bacon Academy Department Head, and Mr. Peel (Bacon Academy Principal) in order to receive high school credit. Per Colchester Board of Education student's regulations, all Bacon Academy students are still required to take a minimum of 6.0 credits at the Bacon Academy campus per year. Please note that TRCC/MCC Partnership credits do not count toward this 6 credit Bacon Academy minimum. Only TRCC/MCC Partnership classes starting after 2:15 PM during the academic school year are allowed. TRCC/MCC summer classes are also not included in the TRCC/MCC Partnership Program. Upon successful completion of each TRCC/MCC Partnership class, students must send an official TRCC/MCC transcript to the Bacon Academy Guidance office in order to receive high school credit. Students accepted into the program are able to take advantage of the following services at Three Rivers Community College and Manchester Community College:

- Access to the TRCC/MCC Academic Tutoring Center
- Access to all TRCC/MCC Athletic facilities
- Access and borrowing privileges at the TRCC/MCC library
- Access to the TRCC/MCC Career Counseling Center

Please call Ronald Sefchik, LPC (School Counselor & Dual Enrollment Coordinator) at 860-537-2378 x2212 if you have any questions.

OTHER COURSE OPTIONS

Independent Study

Bacon Academy Core Values inform us that we have a responsibility to create a cohesive and nurturing environment; connect, involve, and engage in learning; respect diversity and encourage individual goals; and provide a rigorous and authentic educational experience. Bacon Academy students will have the opportunity to extend upon educational opportunities not regularly offered as a part of the Program of Studies through the course of independent study. Students wishing to pursue an independent study are required to have a sponsoring teacher in the subject area. Teachers are limited to three independent study students per semester. In seeking approval, the student and sponsoring teacher must present a detailed course of study that includes: student goals, course content objectives, materials used, a schedule of meetings between sponsoring teacher and student, and the criteria for evaluation. Coursework will be submitted using the "Independent Study Application" for approval to the student's sponsoring teacher, counselor, and administrator. Students will earn a pass/fail grade for his/her independent study that will be exempt from class rank and GPA.

Virtual High School (VHS)
Bacon Academy students have the opportunity to enroll in online courses through VHS. Courses currently approved include:
American Sign Language 1
Business Math
Music Listening and Critique
Personal Finance (Flex)
Preparing for College
Music Listening and Critique
Video Game Design
Web Development

Students may seek approvals for additional courses as outlined in Colchester Board of Education Policy 6172.6R.

SPECIAL PROGRAMS

Special Education
The Special Education process is initiated by a referral to special education. The referral is a written request for an evaluation of a child who is suspected of having a disability that requires specially designed instruction. A referral to special education can be made at any time by a faculty member, parent/guardian, or student. Once the referral is made, a planning and placement team meeting is scheduled. The team discusses the concerns brought forth and data is reviewed. The team determines if evaluations are warranted.

SOAR Program
The mission of the SOAR Program is designed to work individually and collectively with Special Education students to enhance the academic, behavioral and social skills necessary for them to function productively in general education classroom programs. The SOAR Program fosters the development of these skills by providing a safe, highly structured, nurturing environment within well-defined limits. A collaborative working relationship among students, parents/caregivers, and the school community is an essential component of the mission; thereby providing the greatest opportunity for success of the student and the program. Students who participate in the SOAR Program continue to earn credits towards graduation.

Alternative Education Program
The goal of the Alternative Education Program is to provide students who have not been successful in the traditional school setting an optional route to completing their high school requirements. Individual schedules are adapted to meet the specific needs of each student. Individualized instruction is provided to address each student's academic strengths and weaknesses. The fundamental belief of the program is that every student is capable of achieving their potential if given the appropriate atmosphere**,** instruction and encouragement.

Life Skills Program
Bacon Academy offers a program of studies for students with disabilities who require a focus on transitioning to adult life early in their high school years. The following IEP classes are offered: Life Skills Math, Life Skills Reading, Vocational Exploration, and Community Exploration. We also offer supported study halls for students with curricular modifications within the general education classroom, as designated by the Planning and Placement Team (PPT). Students access service hours with some or all of the following: speech pathology, occupational therapy, physical therapy, transitional services, and social/emotional counseling. When the student reaches the age of 16 the PPT decides if he/she has the readiness skills to start job experiences with local Individual Supported Employment agencies until the age of 21.

School Choice
Parents/caregivers and students may explore other educational opportunities that are offered in the school district locally and regionally. These options may include magnet, charter, vocational-technical schools, and vocational agricultural centers. Contact the Guidance Department for further information on these school option choices.

SPECIAL SERVICES

Learning Strategies
Learning Strategies is designed to meet the needs of students with Individual Education Plans (IEPs) who have deficits in executive functioning, reading, writing or math. Students will receive direct instruction in the Special Education setting designed to address their identified academic goals. Students may earn up to one elective credit per year and grading will be on a pass/fail basis.

Academic Support
In lieu of a classroom study hall, an Academic Support period can be scheduled for eligible 504 plan students to provide assistance in organization, checking PowerSchool and accessing school based assistance.

SRBI—Scientific Research-Based Intervention
SRBI instruction provides support to students who are struggling to learn essential skills related to English/Language Arts and/or Mathematics. Students are identified using standardized measures of academic progress, and are provided intensive support until the student has met grade-level proficiency. A student's progress is studied and findings are used to make decisions about teaching and other learning supports.

Math Lab
Math Lab is in room 2112 and is staffed each period with a math teacher. Math Lab is open for students in study hall or with senior privileges to receive math help. Math help may include studying for a test or quiz, homework, questions on a concept recently taught in class, help catching up on content after an absence, etc. Math Lab is not a replacement for tutoring for those students who may need frequent tutoring (students using math lab services every day may need outside tutoring for success in math class). It is an opportunity for drop-by math help during the school day.

Writing Center
The writing center is a student staffed tutoring service for student writers. Student tutors are required to complete training sessions using a tutoring model supported by many local high schools, colleges, and the Connecticut Writing Project. Tutors lead collaborative sessions with their peers and ask questions to help revise their work. The writing center is available for writing assignments in all academic content areas, creative writing pieces, and college essays. Students from all levels are encouraged to utilize the writing center support or enrichment.

Speech and Language Therapy
The focus of Speech and Language Therapy is to provide strategies to enhance reading comprehension, writing, note-taking, vocabulary development and articulation precision. Instruction is individualized in a small group setting and/or in the student's general education classes using the co-teaching model of instruction.

Counseling Services
Counseling services are available to students as appropriate and are provided by the school psychologist and the school social worker.

ELL (English Language Learners) Services
The major goal of the ELL program is to help identified students to develop and improve their communication skills to function intellectually and socially in their environment. Through listening, speaking, reading and writing, students will increase their mastery of the English language. These courses meet English requirements for graduation. ELL classes will be run for students who have not met proficiency on the LAS test.

BRICK

The BRICK Program is dedicated to support students who are struggling with academic, social-emotional, familial, and interpersonal stressors to be successful in school and establish a path for success beyond high school. Students would be referred to the STAT team for consideration for BRICK.

SEAL OF BILITERACY

The Seal of Biliteracy is an award that recognizes students who have studied and attained proficiency in English and at least one other language by high school graduation. The Seal of Biliteracy encourages students to pursue biliteracy, honors the language skills and cultural knowledge students attain, and can be evidence of skills that are attractive to future employers and college admissions offices. At Bacon Academy, communicating effectively in more than one language helps students show Bacon 10 #1, and knowledge of another culture apart from their own culture helps students demonstrate Bacon 10#5. Students are encouraged to pursue the Seal of Biliteracy in Spanish or French through World Languages courses or through a heritage language spoken outside of school. Students demonstrate their proficiency in English through completion of English Language Arts graduation requirements, and a portfolio of student work from junior year English class. Proficiency in a language other than English is attained by receiving an Intermediate Mid or higher on an external assessment that is offered at Bacon Academy in the spring. Students may choose to take this assessment during their sophomore, junior or senior year at Bacon Academy. Both the high school diploma and transcript will reflect attainment of Seal of Biliteracy after requirements are completed**.**

FOREIGN EXCHANGE STUDENTS—POLICIES AND REGULATIONS

The Board of Education encourages international studies. To that end, it allows foreign exchange students who will be residing with families in Colchester to enroll on a non-tuition basis in Colchester Public Schools. Students who apply cannot have the equivalent of a high school diploma from a foreign school system. Students who are accepted and placed in grade 12 will only receive an honorary diploma. Further, they must meet the criteria established by the administration in the areas of language competency, residency and deportment. Only exchange students sponsored by organizations and screened by the administration will be accepted. No more than two (2) students at the high school may be accepted for any school year.

For foreign exchange students to be eligible for enrollment in Colchester Public Schools, the following criteria must be met.

- The student may not be a graduate of the school system in the country in which he/she is a native
- The student must be sufficiently fluent in English so that he/she would not require any special services such as ELL
- The application for admission must be reviewed by the appropriate school administrator before July 1 of the school year for which the student wishes to enroll
- The school must ascertain the living situation in Colchester as appropriate
- The school must have room for the student and to accommodate him/her without incurring additional cost or burden
- The student may not be enrolled for more than one year
- The student is not eligible to receive a diploma but can receive an honorary diploma
- The student may be eligible to play sports if he/she meets the CIAC criteria
- The student may be dis-enrolled if the student is not participating in and attending the school program or is disruptive to the smooth and efficient operation of the school
- The program is not designed for foreign students who are “vacationing” in our country or for students who wish to enroll for short periods of time

NCAA ELIGIBILITY CENTER—for the College-Bound Student Athlete

The NCAA Eligibility Center certifies the initial academic eligibility and amateur status of all college-bound student athletes who wish to compete in NCAA Division I or II athletics.

The following are some helpful tips when registering for the NCAA Eligibility Center:

1. Visit www.eligibilitycenter.org to learn more about the opportunities available at NCAA schools.
2. Know current and future academic requirements for
   Division I http://www.ncaa.org/student-athletes/play-division-i-sports and
   Division II http://www.ncaa.org/student-athletes/play-division-ii-sports .
3. Complete NCAA-approved core courses throughout high school. Your high school counselor can help.
4. Register with the NCAA Eligibility Center during your sophomore year if you are interested in Division I or II athletics participation.
5. After six semesters, send official transcripts from all high schools attended to the NCAA Eligibility Center.

If you have any questions, please contact the NCAA customer service staff at 1-877-262-1492

NCAA CLEARINGHOUSE
List of Eligible Bacon Academy Core Courses

Certification of a prospective student-athlete is case-specific, and the NCAA Eligibility Center has the authority to determine in its sole discretion whether the prospective student-athlete has met all criteria. The following is a list of Bacon Academy approved courses for student-athletes seeking NCAA initial eligibility. You *must* complete 16 for Division I and II Core courses.

ENGLISH

0112 English 9
0113 English 9
0122 English 10
0123 English 10
0132 English 11
0133 English 11
0136 AP English Language & Comprehension
0142 English 12
0143 English 12
0146 AP® English Literature & Comprehension/UCONN
0147 Journalism
0149 Creative Writing
0150 Public Speaking
0168 Science Fiction
0188 Images of Women

SOCIAL SCIENCES

0212 Introduction to Geography
0213 Introduction to Geography
0228 European Civilization
0229 Asian Studies
0230 Africa & The New World
0238 Contemporary Issues
0258 The Middle East
0246 Anthropology
0232 U.S. History
0233 U.S. History
0243 AP® U.S. History
0250 AP Human Geography
0245 Civics
0245 Civics – Online
0242 Psychology
0244 Sociology
0259 Economics
0261 AP® World History
0264 AP® American Government and Politics

MATHEMATICS

0131 Algebra 1 A/B *L1 (1 credit only)*
0315 Algebra I
0327 Algebra II *L1 (.5 credits only)*
0332 Algebra II
0333 Algebra II
0361 Applications of Algebra & Trig *L1 (.5 credits only)*
0322 Geometry
0323 Geometry
0325 Advanced Geometry
0335 Discrete Math
0336 Advanced Math
0343 Pre-Calculus
00353 AP® Calculus AB
0354 AP® Calculus BC
0355 AP® Statistics
0357 AP® Computer Science
0352 Computer Programming 1A
0356 Computer Programming 1B
0362 Computer Programming 2
0364 Computer Programming 4
0371 Trigonometry & Statistics

NATURAL/PHYSICAL SCIENCES

0425 Biology
0426 Biology
0427 AP® Biology
0435 Chemistry
0436 Chemistry
0437 AP® Chemistry
0447 Physics
0448 Engineering/Physics
0459 Stem Physics
0462 Science Research
0449 Physics
0451 AP® Physics 1
0458 AP® Physics 2
0468 Environmental Science
0466 AP Environmental Science
0446 Forensics
0454 Human Anatomy/Physiology
0456 Human Anatomy/Physiology
0455 Science and Alternative Energy
0458 Marine Science
0472 Energy Explorations
0473 Energy Explorations

WORLD LANGUAGES

0510 French I
0520 French II
0530 French III
0541 French IV
0540 French IV
0556 French V
0550 AP French *(not offered in 2022-23)*
0512 Spanish I
0522 Spanish II
0532 Spanish III
0533 Spanish III
0543 Spanish IV
0542 Spanish IV
0562 Spanish V
0522 Advanced Spanish
0514 Spanish Culture Through Cinema

IT IS THE RESPONSIBILITY OF THE STUDENT TO CHECK FOR COURSE ELIGIBILITY WHEN CHOOSING COURSES.

BUSINESS EDUCATION

All individuals will be involved in a business—whether a student enters the job market, majors in a field of business in college, or practices “real life” skills. The Business Department has it all!

Academic Expectations

Bacon Academy Business students will effectively:

Communicate in a variety of ways
Read, analyze and evaluate information from multiple sources
Use problem-solving skills
Use technology as a tool for learning, creating, organizing, and presenting

Social and Civic Expectations

Bacon Academy Business students will:

Demonstrate Bacon’s five core values: respect, responsibility, achievement, safety, compassion

(0610) INTRODUCTION TO BUSINESS
Level: 2
Credit: 0.5
Offering: Fall, Spring to Grade 9-12
Prerequisite: None

Focused on experiential learning, this introductory class offers students opportunities to learn about the various areas within business. Business is not just selling or the stock market. This class will give you the opportunity to learn about our other business course offerings for you to further your knowledge.

(0612) PERSONAL FINANCE
Level: 2
Credit: 0.5
Offering: Fall, Spring to Grade 10-12
Prerequisite: None

This course provides a basic understanding of personal finance. The choices that consumers face in managing their finances are examined. The topics include personal income and budgeting, consumer credit, investing, taxes, housing and insurance. Students will engage in interactive simulations across money management, budgeting and investing.

(0614) INVESTING
Level: 2
Credit: 0.5
Offering: Fall, Spring to Grade 10-12
Prerequisite: Personal Finance, Accounting 1, Introduction to Business or Money and Business.

How do financial markets and institutions work? What is the Federal Reserve and what do they do? What are interest rates and why do we care? This new investments course offers college-level rigor for students who may consider a college major and/or a career in business or finance.

(0621) BUSINESS LAW
Level: 2
Credit: 0.5
Offering: Fall, Spring to Grade 9-12
Prerequisite: None

What are contracts? What is the difference between criminal and civil law? Students will learn why we have laws, where laws come from, as well as learn to apply legal concepts to everyday life. Topics covered include: criminal and civil laws, the court system, investment fraud, consumer/housing law, and family law. Students will participate in interactive mock trials to demonstrate understanding and knowledge of the law.

(0628) ACCOUNTING 1
Level: 2
Credit:1.0
Offering: Annually to Grade 10-12
Prerequisite: None
Knowledge of accounting is vital for all business careers. Students will learn the complete accounting cycle. Students considering majoring in any field of business are strongly encouraged to take Accounting.

(0632) ACCOUNTING 2
Level: 2
Credit:1.0
Offering: Annually to Grade 11-12
Prerequisite: Accounting 1
Advanced principles of accounting will include the following: advanced payroll, departmentalized accounting, inventory planning and valuation, uncollectible accounting, plant assets, and accrued revenue. Students planning a college major in accounting, finance or marketing should take Accounting 1 and 2.

(0651) MARKETING AND ENTREPRENEURSHIP
Level: 2
Credit:0.5
Offering: Fall, Spring to Grade 10-12
Prerequisite: None
Students will develop an understanding of marketing, advertising and promotion; how it is used in business and its effect on students as consumers. The skills and strategies needed to develop social media, online, TV, and radio advertisements will be studied. Students will explore entrepreneurship by "starting" their own business, securing funding, developing product or service offering, conducting marketing research and developing business and marketing plans.

(0650) SPORTS & ENTERTAINMENT MARKETING
Level: 2
Credit:0.5
Offering: Fall, Spring to Grade 9-12
Prerequisite: None
Students will develop in-depth expertise in marketing within the Sports and Entertainment industries. This includes building skills in understanding consumer behavior, market research, branding, new product development, retailing, ethical issues, and pricing. Students will also study the skills related to managing social media, online, TV, and radio advertisements.

(0622) MARKETING COMMUNICATIONS
Level: 2
Credit:0.5
Offering:Fall, Spring to Grade 9-12
Prerequisite: None
How do you effectively communicate your message? In this class, students will sharpen their communications skills and investigate the business side of advertising. Explore advertising, corporate communications, direct marketing, publicity, public relations, promotion, media production, and journalism.

(0615) LIFE AND FINANCES: GETTING STARTED
Level: 2
Credit:0.5
Offering: Fall, Spring to Grade 9-12
Prerequisite: None

It seems like yesterday you just started high school. You dream about crossing the stage and getting your diploma. You've longed to take charge of your life, but are you ready for the "adult" monetary challenges that await you? Do you have what it takes to "get" a job? How will you pay off debts, especially loans from going to college? What transportation and housing needs will you have? The course content is designed to help the learner make wise spending, saving, and credit decisions. You will learn about these areas and so much more. This course will lead you to a financially successful future.

ENGLISH

Four (4) credits of English are required for graduation. English courses are offered at Levels 1, 2 and 3 to grades 9 and 10 and Levels 2, 3 and Advanced Placement to grades 11 and 12. The department also offers four elective courses: Foundational Reading Skills is open to grades 9-12; Creative Writing and Public Speaking is open to grades 11 and 12; and Science Fiction, Images of Women, and Authors and Activism are open to grades 10-12.

English instruction will provide exposure to a variety of reading skills, writing, speaking, listening, and language use tasks to ensure student mastery. Reading instruction will cover a wide range of texts, with a focus on complex content of both informational texts and the many genres of literature. Comprehensive writing instruction will develop skills from paragraph writing and journaling to formal essays and research papers. A rigorous English curriculum will heighten awareness of the sophisticated aspects of language use, from vocabulary and syntax to the development and organization of ideas.

ENGLISH GRADE 9

(0111) ENGLISH
Level: 1
Credit: 1.0
Offering: Not offered in 2022-2023
Prerequisite: Open only to recommended students reading in the 39th percentile or lower.
This course reviews reading and writing skills and offers an introduction to literature and essay writing. Reading instruction may include excerpts from novels, short stories, drama, poetry, nonfiction, and thematic units such as "Endurance and Struggle" and "Devotion, Dependency, and Disconnection". Instruction will involve citing strong and thorough textual evidence, determining a theme, and analyzing characters in a text. Students will have the opportunity to respond to text in a variety of formats such as journals and hands-on projects. In addition to the reading, vocabulary instruction will help students clarify the meaning of unknown and multiple-meaning words, including figurative language and nuanced words. Writing instruction will focus on improving student ability to draft and revise groups of paragraphs on a single topic in preparation for more elaborate essay writing. Students will explore writing for a range of tasks, purposes, and audiences. Students will review basic grammar, usage, and mechanics, as well as organizational, research, and study skills. Students will develop their discourse skills by initiating and participating effectively in a range of discussions.

(0112) ENGLISH
Level: 2
Credit: 1.0
Offering: Annually to grade 9
Prerequisite: None
This course continues an analysis of literature and advanced development of essay writing. Reading instruction may include study of at least two novels, short stories, drama, poetry, nonfiction, and thematic units such as "Endurance and Struggle" and "Devotion, Dependency, and Disconnection". Instruction will involve citing strong and thorough textual evidence, determining a theme, and analyzing characters in a text. In addition, students will analyze author choices, claims, ideas, and point of view. Students will have the opportunity to respond to text in a

variety of formats such as journals, literary circles, and class discussion. In addition to the reading, vocabulary instruction will help students clarify the meaning of unknown and multiple-meaning words, including figurative language and nuanced words. Writing assignments will include persuasive, expository, informational, and narrative forms to support claims, show valid reasoning, and convey complex ideas. Students will review sentence structure focusing on phrases, clauses, and problems with grammar and mechanics. Students will develop their discourse skills by initiating and participating effectively in a range of discussions, building on others' ideas, and expressing their own ideas clearly and persuasively

(0113) ENGLISH
Level: 3
Credit: 1.0
Offering: Annually to grade 9
Prerequisite: Teacher recommendation
This course involves an intensive analysis of fictional and informational texts, and a considerable amount of essay writing. Reading instruction may include study of multiple novels, short stories, drama, poetry, nonfiction, and thematic units such as "Endurance and Struggle" and "Devotion, Dependency, and Disconnection". Instruction will involve citing strong and thorough textual evidence, determining a theme, and character analysis in a text. In addition, students will analyze the author's choices, claims, ideas, point of view, and analyze how an author uses rhetoric to advance that point of view. Students will have the opportunity to respond to text in a variety of formats such as journals, literary circles, and Socratic seminars. Furthermore, vocabulary instruction will help students expand their knowledge of challenging vocabulary words both in and out of context. Writing assignments will include persuasive, expository, informational, and narrative forms to support claims, show valid reasoning, and convey complex ideas clearly and accurately through the effective organization and analysis of content. Students will review sentence structure; focus on phrases and clauses; problems with grammar and mechanics; and apply knowledge of language to understand how language functions in different contexts to make effective choices for meaning or style. Students will develop their discourse skills by initiating and participating effectively in a range of discussions, building on others' ideas, expressing their own ideas clearly and persuasively, and presenting information logically so that listeners can follow the line of reasoning.

ENGLISH GRADE 10

(0121) ENGLISH
Level: 1
Credit: 1.0
Offering: Not offered in 2022-2023
Prerequisite: Open only to recommended students in the 39th percentile or below on a standardized test or teacher recommendation.
This course focuses on reading, writing, listening, and discussion. Reading instruction may include excerpts from novels, short stories, drama, poetry, nonfiction, and thematic units such as "Social Justice." Instruction will involve citing strong and thorough textual evidence, determining a theme, and analyzing characters in a text. Students will have the opportunity to respond to literature and informational texts in a variety of formats such as journals, book talks, and essays. In addition, students will analyze various accounts of a subject told in different mediums. Writing instruction will focus on improving student's ability to plan, draft, edit and revise essays. In addition, students will engage in peer consultation. Students will explore writing for a range of tasks, purposes, and audiences. Students will review grammar, usage, and mechanics, as well as organizational, research, and study skills. Students will implement their discourse skills by conveying and responding effectively in a range of discussions about theoretical and real-world problems.

(0122) ENGLISH
Level: 2
Credit: 1.0
Offering: Annually to grade 10
Prerequisite: None

This course continues an analysis of literature, composition, and advanced development of essay writing. Reading instruction may include study of novels, short stories, drama, poetry, nonfiction, and thematic units such as “The Art of Argument” and “Social Justice”. Additionally, students will analyze documents of historical and literary significance, and various accounts of a subject told in different mediums. Instruction will involve citing strong and thorough textual evidence, determining an author’s choices, claims, ideas, and point of view. Students will have the opportunity to respond to literature and informational texts in a variety of formats such as journals, book talks, and essays. Also, students will analyze various accounts of a subject told in different mediums. In addition to the reading, vocabulary instruction will focus on student acquisition and use of general academic and specific literary terminology. Writing assignments will include persuasive, expository, informational, and narrative forms to support claims, show valid reasoning, and convey complex ideas. Students will review sentence structure focusing on phrases, clauses, and problems with grammar and mechanics. Students will develop their discourse skills by initiating and participating effectively in a range of discussions, building on others’ ideas, and expressing their own ideas clearly and persuasively.

(0123) ENGLISH
Level: 3
Credit: 1.0
Offering: Annually to grade 10
Prerequisite: Teacher recommendation
This course is for students who have demonstrated high levels of achievement or ability in English during their freshman year. The course involves an intensive analysis of fictional and informational texts, and a considerable amount of essay writing. Reading instruction may include study of multiple novels, short stories, drama, poetry, nonfiction, and thematic units such as “The Art of Argument” and “Social Justice”. Additionally, students will analyze documents of historical and literary significance, and various accounts of a subject told in different mediums. Instruction will involve citing strong and thorough textual evidence, determining a theme, and character analysis in a text. In addition, students will analyze the author’s choices, claims, ideas, point of view, and analyze how an author uses rhetoric to advance that point of view, including the impact of specific word choices on meaning and tone. Students will have the opportunity to respond to text in a variety of formats such as journals, literary circles, and Socratic seminars. Furthermore, vocabulary instruction will focus on student acquisition and use of general academic and specific literary terminology. Writing assignments will include persuasive, expository, informational, and narrative forms to support claims, show valid reasoning, and convey complex ideas clearly and accurately through the effective organization and analysis of content. Students will review sentence structure; focus on phrases and clauses; problems with grammar and mechanics; and apply knowledge of language to understand how language functions in different contexts to make effective choices for meaning or style. Students will develop their discourse skills by initiating and participating effectively in a range of discussions, building on others’ ideas, expressing their own ideas clearly and persuasively, and presenting information logically so that listeners can follow the line of reasoning.

ENGLISH GRADE 11

(0132) ENGLISH
Level: 2
Credit: 1.0
Offerings: Annually to grade 11
Prerequisite: None
This course focuses on reading, writing, listening, and discussion. To cultivate a deeper understanding of literature and thought, students will also study the cultural and/or historical context from which the literature originates, intellectual influences that shape those contexts, imaginative nonfiction and visual texts (art, film, etc.) will be examined to provide students with a rich understanding of these texts. With reading assignments, students will be given appropriate support and guidance to help develop their skills and critical reading. Reading instruction may include study of multiple novels, short stories, drama, poetry, nonfiction, podcasts, TED Talks, and thematic units such as “Manipulation and Cultural Anxiety”. In the writing program, students will receive

guidance with the writing process in the use of standard written English to compose academic essays, creative writing assignments, a substantial research project, and timed writing. Students will receive feedback on writing assignments to examine and address their own areas for improvement with grammar and mechanics. Additionally, SAT preparation will be integrated into the units of study, and speaking and listening skills will be emphasized.

(0133) ENGLISH
Level: 3
Credit: 1.0
Offering: Annually to grade 11
Prerequisite: Teacher Recommendation
The course in English Language and Composition engages 11th grade students in becoming skilled readers of literature written in a variety of periods, disciplines, and rhetorical contexts. Readings may include study of multiple novels, short stories, drama, poetry, nonfiction, podcasts, TED Talks, and thematic units such as "Manipulation" and Cultural Anxiety". Students will hone skills as writers composing papers for a variety of purposes, citing strong and thorough textual evidence to support analysis, and forming arguments to support claims on substantive topics or texts, using valid reasoning and relevant and sufficient evidence. Students will produce writing in which the development, organization, and style are appropriate to task, purpose, and audience, writing informal as well as formal contexts to gain authority and learn to take risks in writing. Imitation exercises, journal-keeping, collaborative writing, and in-class responses are ways that will help students become increasingly aware of themselves as writers and of the techniques employed by the writers they read. Additionally, SAT preparation will be integrated into the units of study, and speaking and listening skills will be emphasized.

(0136) 🔓 AP® LANGUAGE AND COMPOSITION
Level: 4
Credit: 1.0
Offerings: Annually to grade 11
Prerequisite: AP Potential as determined by 10th grade PSAT scores and teacher recommendation.
The AP course in English Language and Composition engages 11th grade students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Students will learn to write in informal as well as formal contexts to gain authority and learn to take risks in writing. Imitation exercises, journal-keeping, collaborative writing, and in-class responses are ways that will help students become increasingly aware of themselves as writers and of the techniques employed by the writers they read. As well as engaging in varied writing tasks, students will read a wide variety of prose styles from many disciplines and historical periods to gain an understanding of the connections between interpretive skills in reading and writing. The Advanced Placement Exam of the College Board will be offered at the completion of the course and may provide students with the opportunity for college credit.

ENGLISH GRADE 12

(0142) ENGLISH
Level: 2
Credit: 1.0
Offering: Annually to grade 12
Prerequisite: None
This course offers further practice in the literate arts of reading and writing. Students will respond to thematic units such as "Authority, Morality, and Corruption", drama, nonfiction, short stories, and novels in a variety of ways, including discussion, journal writing, and performance. Students will strengthen their ability to write analytically by determining the meaning of words and phrases as they are used in the text, including figurative and connotative meanings; analyze the impact of specific word choices on meaning and tone. Writing about personal experience will enhance their ability to reflect on their own lives and prepare them for the post-secondary world.

Students will study the writing process with a focus on revision. Students will work with peers to promote civil, democratic discussions, responding thoughtfully to diverse perspectives.

(0143) ENGLISH
Level: 3
Credit: 1.0
Offering: Annually to grade 12
Prerequisite: Teacher recommendation
The course in Literature and Composition will engage the 12th grade students in the critical analysis of the literary arts. Through close reading of selected texts and units such as “Authority, Morality, and Corruption”, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. In addition to considering a work’s literary artistry, students will consider the social and historical values it reflects and embodies. Writing assignments will focus on the critical analysis of fiction and nonfiction texts and will include expository, analytical, and argumentative essays. Students will be expected to draw evidence from literary or informational texts to support analysis, reflection, and research. Students will come to discussions prepared in having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.

(0175) 🔓 ECE ENGLISH LITERATURE AND COMPOSITION
Level: 4
Credit: 1.0 (College credits earned through Uconn-ECE)
Offering: Annually to grade 12
Prerequisite: AP Potential based on PSAT scores and teacher recommendation.
This course provides students the opportunity to earn four UConn credits (which are transferable to most other universities/ colleges) that provide both an academic and a financial head-start on a college degree. Students must successfully complete the course with a grade of 75 or better to receive UConn credit. This course is aligned to the syllabus for UConn course English 1007: Seminar and Studio in Academic Writing and Multimodal Composition. To support rigorous learning, University of Connecticut library resources are also available to students.

(0176) 🔓 AP® ENGLISH LITERATURE AND COMPOSITION
Level: 4
Credit: 1.0
Offering: Annually to grade 12
Prerequisite: AP potential based on PSAT scores and teacher recommendation
The Advanced Placement course in Literature and Composition will engage the 12th grade students in the careful reading and critical analysis of imaginative literature. Through close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. In addition to considering a work’s literary artistry, students will consider the social and historical values it reflects and embodies. A variety of readings will enable students to explore works of British, American, and other authors from the sixteenth century to contemporary times. Writing assignments will focus on the critical analysis of literature and will include expository, analytical, and argumentative essays. Writing instruction will include attention to developing and organizing ideas in clear, coherent, and persuasive language, and will also include the study of the elements of style. It is recommended that students take the College Board Advanced Placement exam at the completion of the course, which may provide students with the opportunity for college credit.

ENGLISH ELECTIVES

(0149) CREATIVE WRITING
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 11 and 12
Prerequisite: none
This course provides the opportunity for students to explore and experiment with a variety of literary forms writers have employed throughout the ages. We will write poems, stories, monologues, and short scripts mining our own lives and the work of other writers for ideas, inspiration, and guidance. No creative writing experience is required, but a willingness to experiment, take risks with your writing, and listen to and support your classmates are essential.

(0188) IMAGES OF WOMEN
Level 2
Credit: 0.5
Offering: Fall, Spring to grades 10-12
Prerequisite: None
What does it mean to be a woman in the new millennium? How have authors and filmmakers presented images of women over the years? This course will explore various stereotypes of women in short stories, plays, films, and in current events, and analyze their presentation. Students will keep reading logs and write reaction papers and short essays explaining their observations. The class will emphasize discussion. At the end of the course, students will pick a topic, research, and present an inquiry project.

(0168) SCIENCE FICTION
Level: 2
Offering: Fall, Spring to grades 10-12
Credit: 0.5
Prerequisite: None
This course is intended for students to discover the various forms of science fiction and the history of the genre. A wide variety of authors will be explored. Readings will include short stories, novels, and poems in both fiction and nonfiction. Non-fiction material will be compared and contrasted with their fictional counterparts. The course will also deal with comparing a variety of media (film and art) to the stories we read.

(0193) AUTHORS AND ACTIVISM
Level: 2
Offering: Fall, Spring to grades 10-12
Credit: 0.5
Prerequisite: None
This new course will seek to fit a niche for students who are interested in learning more about social justice topics and approaches to creative solutions. However, the focus will shift to include more deliberate analysis of texts - both historical and current - that foment change. From seminal texts and documents to modern editorials, articles, and even lyrics, students will understand how writers use their craft to engender societal conversation and impact change. Students will also produce their own writing that not only aligns with their interests and values, but which speaks to a public audience.

(0150) 🔓 PUBLIC SPEAKING
Level: 2
Offering: Fall, Spring to grades 11-12
Credit: 0.5 (College credits earned through ECSU-DEP)
Prerequisite: None

In this course, you will learn how to speak confidently and persuasively to both large audiences and small groups. You will learn how to plan and deliver presentations skillfully and how to manage one of the most common public speaking barriers—fear. Each class will build on skills step-by-step; you will learn how to effectively use rhetorical techniques, how to present a short or long speech, and how to efficiently handle questions. You will get tips for training your voice and learn how to use both verbal and nonverbal communication. Speaking in front of the class to get feedback will improve your craft with help from the instructor and peers on a bi-weekly basis in order to build one another's confidence. Finally, you will apply research and skills learned in the course culminating in a final, abbreviated dissertation-style presentation and defense.

(0159) FOUNDATIONAL READING SKILLS
Level: 1
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: Based on teacher recommendation and data
In this year-long course, students will work on the foundations necessary for reading. Respectful of each student's abilities, this year-long course focuses on developing each student's decoding (reading) and encoding (spelling) skills primarily using the Wilson Just Words program. This multi-modal program builds students' understanding of words through the study of word structure, the six syllable types in English, and the most common Latin roots. It is a "highly explicit, multisensory decoding and spelling program for students in grades 4 -12 and adults who do not require intensive intervention but do require explicit decoding and spelling instruction due to word-level deficits." In addition to word-reading and spelling, students will work on their fluency and reading comprehension through in-class readings. This class is most useful for students who struggle with reading and writing. A reading and spelling test will be given at the beginning of the year to ensure students are properly placed.

(0157) READING COMPREHENSION SKILLS
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 9-12
Prerequisite: teacher recommendation
Respectful of each student's abilities, this pass/fail class focuses on developing each student's reading comprehension and writing skills. Small group lessons focus on reading and writing skills and individual student needs. Lessons allow students to work independently in developing vocabulary skills, reading comprehension skills, and fluency. This class is most useful for students who struggle with reading and writing. A reading test will be given to ensure students are properly placed. Placement can be made through SRBI referral.

FAMILY AND CONSUMER SCIENCES

The Bacon Academy Family & Consumer Sciences Department (FCS) provides students the opportunity to develop their 21st century skills through exploration of careers within the Human Development, Culinary and Textile fields. Career areas that are explored include, but are not limited to; Teacher, Child Psychologist, Human Services, Health Care, Social Work, Chef, Pastry Chef, Dietitian, Fashion Designer, Clothing Manufacturer, and Interior Design professions.

Students will obtain 21st Century Learning Skills in FCS classes by becoming critical thinkers and networkers. Critical thinkers will exhibit ingenuity in solving complex problems, and read, analyze, and synthesize information from a variety of sources. Networkers will obtain the skills to communicate effectively and collaborate flexibly within the school and town community. FCS gives students an understanding of their world and a connection to their community through community service projects and real life applications. Authentic experiences and field work will allow them to explore careers and make informed career choices based on those experiences. 21st Century skills learned in FCS will be used throughout the lifespan.

FCS coursework especially focuses on the following BACON 10:

1. Students effectively communicate (by verbal, non-verbal, written and visual means) independently and collaboratively according to their audience and purpose.
3. Students can contribute to their community through participation in service learning.
7. Students can solve problems using academic, technical, social, and creative skills.

Family and Consumer Science students are given opportunities to earn college credit in Human Development through Three Rivers Community College Early Childhood and the Lifespan Development course through UCONN. FCS students are given opportunities to earn college credit through Gateway Community College in Culinary II and Bake Shop II. FCS learning builds 21st century and technical skills through alignment with the following career clusters:

- Human Services
- Agriculture, Food & Natural Resources
- Education
- Health Science
- Hospitality & Tourism
- STEM (Science, Technology, Engineering & Mathematics)
- Architecture & Construction
- Marketing, Sales and Services

Adopted from AAFCS (American Association of Consumer Sciences) National found at www.aafcs.org for more information

FCS courses require the use of specialty equipment and working with children. To provide a safe and professional classroom environment in all advanced courses, teacher approval is required. Teacher approval is based on:

1. Safety—the student must have displayed in the prerequisite course that he/she has followed all safety rules and is not a danger to him/herself or anyone else.
2. Academic Achievement--the student must have displayed in the introductory course that he/she has achieved the necessary skills that are required to be successful in the advanced course.
3. Effort and Attitude—the student must have displayed in the prerequisite course that he/she has shown the required effort and attitude necessary to be successful in the advanced course.

CLOTHING AND TEXTILES

(0804) APPAREL AND FURNISHINGS
Level: 2
Credit: 0.5
Offering: Spring or Fall, grades 9-12
Prerequisite: None
Description: This is an introductory course for students interested in working individually and in small teams to learn about fabrics, clothing, and fashion. Topics include an introduction to the apparel industry, fibers and fabrics, working with commercial patterns, cutting and sewing techniques. Conventional straight stitch and serger sewing machines will be used to create personal clothing and accessories. Students must purchase fabric for personal sewing projects. Students will use problem solving skills during sewing lab projects to plan, learn, create, and organize.

(0805) INTERIOR DESIGN
Level 2
Credit: 0.5
Offering: Spring, grades 9-12
Prerequisite: Apparel and Furnishing (0804)

Description: This class is designed to help the student learn to make wise housing choices. They will learn about design principles and their application to decorating choices. Students will study floor plans, room and furniture arrangement. Sewing skills and a working knowledge of fabrics will be honed in creating projects related to Interior Design. Students must purchase fabric for personal sewing projects. In addition, students will learn about consumer rights and responsibilities.

CULINARY/BAKE SHOP

(0820) BAKE SHOP I
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 9-12
Prerequisite: None
Description: This course will allow students to explore the following areas of baking: quick breads, yeast breads, pies, cakes, and cookies. Students will create a wide variety of recipes and work on their technique to produce quality baked goods. This course begins with kitchen safety and sanitation and includes a focus on ingredient function, as well as measurement, careers,costing of baked goods, kitchen math, bake shop vocabulary, and recipe reading/ writing. Students will work in teams to collaborate and problem solve in the kitchen.

(0819) 🔓 BAKE SHOP II
Level: 2
Credit: 0.5 (College credits earned through GCC-CCP)
Offering: Fall, Spring to grades 9-12
Prerequisite: Bake Shop I
Description: This is an advanced baking and pastry course that is for the serious student interested in creating specialty desserts while perfecting their professional techniques. Topics will include advanced recipes for quick breads, yeast breads, pastries, cakes, and frozen desserts. Students will explore topics in food service and careers in the baking and pastry arts. Projects will include marketing and selling products as well as the creation of a portfolio of learned techniques. To be successful in this course, a student should have a serious interest in the content and have the ability to work hard independently and within a team.

(0811) CULINARY ARTS I
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 9-12
Prerequisite: None
Description: Students will apply basic cooking techniques to food preparation in the areas of: egg preparation, dairy foods, vegetables/fruits, grains/pasta, and simple meal preparation. This course begins with the study of kitchen safety and sanitation and includes a focus on real food and personal nutrition, kitchen math, culinary vocabulary, lab organization, career exploration and equipment. Students will work in teams to collaborate and problem solve with each other.

(0812) 🔓 CULINARY ARTS II
Level: 2
Credit: 0.5 (College credits earned through GCC-CCP)
Offering: Fall, Spring to grades 9-12
Prerequisite: Culinary Arts I
Description: Students will apply basic and advanced cooking techniques to food preparation in the areas of: stocks, soups, sauces,dairy, poultry, meats, fish and shellfish. This course begins with a more in depth food safety and sanitation unit followed by a focus on recipe and menu writing, food presentation with garnishing, recent topics in nutrition, and working with more advanced recipes. Students will work to perfect knife skills, mise en

place, kitchen math, and their overall understanding of culinary principles. Students will work in teams to collaborate and problem solve with each other.

(0821) ACADEMY CAFE
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Culinary I and Culinary II
Description: This is a comprehensive course for students with an interest in the foodservice industry. Students will apply leadership and teamwork skills through working independently as well as with others. This course will prepare students to work as a team to create professional preparations of appetizers, soups, entrees, desserts and breads including large volume cooking, catering, small party planning and the methods to achieve successful outcomes. Students will learn the content needed to take the ServSafe Manager exam and may obtain the certification at an additional cost. To be successful in this course, a student should have a serious interest in the content and have the ability to work hard independently and within a team.

HOSPITALITY

(0845) HOSPITALITY 1
Level: 2
Credit: 0.5
Offering: Fall to grades 9-12
Prerequisite: None
Description: This introductory course explores two of the five segments of the Hospitality Industry: Food Services and Lodging. Students will learn the history of the industry, career opportunities, and customer service and work on projects like designing your own food & beverage business and a place of lodging. The course includes an opportunity for serving staff in a cafe setting.

(0846) HOSPITALITY 2
Level: 2
Credit: 0.5
Offering: Spring to grades 9-12
Prerequisite: Hospitality 1
Description: This course explores the remaining 3 segments of the Hospitality Industry: Travel, Tourism, and Recreation. Learn the components of the tourism industry as well as skills for success in the hospitality business. Topics include amusement parks, cruise ships, national parks, trip planning, cultural impacts of tourism, eco-tourism, and event planning.

HUMAN DEVELOPMENT

(0832) EARLY CHILDHOOD
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 9-12
Prerequisite: None
Description: This course is for any student who may be considering the fields of education, healthcare, social work, or human services. It is also for the students who would like to effectively interact with children as a relative, future coach, mentor, or parent. Students will use technology to research, create, and present on various topics. Topics will include the physical, social, emotional, and intellectual development of infants and toddlers. Additionally, topics will cover families across the lifespan, conception, pregnancy, prenatal care, birth defects,

child abuse, childbirth, and the impact of an infant on a family using infant simulators. Students will use problem-solving skills across the disciplines.

(0833) MIDDLE CHILDHOOD
Level: 2
Credit: 0.5
Offering: Spring to grades 9-12
Prerequisite: None
Description: This course addresses the physical, social, emotional, moral and intellectual development of children from four to twelve. Typical and atypical development will be addressed. Students will analyze and evaluate information from multiple sources as they explore various exceptional children topics as well as analyze national and state special education laws and practices. Students will use problem-solving skills and gain experiential learning skills while working with students from various schools and students within the Colchester Public School district.

(0835) 🔓 LIFESPAN DEVELOPMENT UNIVERSITY OF CONNECTICUT
Level: 3
Credit: 1.0 (College credits earned through Uconn-ECE-pending)
Offering: Annually to grades 11-12
Prerequisite: None
Description: The University of Connecticut Early College Experience program provides an opportunity for academically talented high school students to take a first-year university course in the high school setting. Academically superior students are invited to enter the program, which offers University credit for those who successfully complete the course with a 75 or better. Students who enroll in a Bacon Academy course designated for potential UConn credit and fail to meet UConn's eligibility requirements will be denied college credit. Students who fail to attain a 75 or better are still eligible to receive high school credit upon successful completion of the course. This course is designed as an introduction to the field of Human Development and Family Studies. Fieldwork experiences across the lifespan will provide students with hands-on use of problem-solving skills across the disciplines as they develop an understanding of and compassion for the individual and family as they develop over the lifespan. This course will focus on the developing individual within the context of the family system and the changes that occur in family systems over time. Students will use technology as a tool for learning, creating, organizing, and presenting.

(0843) 🔓 THE PRESCHOOLER
Level: 2
Credit: 1.0 (College credits earned through TRCC-CCP)
Offering: Annually to grades 11-12
Prerequisite: Early Childhood (0832) or Middle Childhood (0833)
Description: Students interested in careers in teaching would benefit from this course. The prerequisite for this course is Early Childhood Development and/or The Middle Child Development course. Students will be actively operating, observing, and creating our own Beginner Bobcat Preschool with preschool-aged children from Colchester. Students will read, analyze, and evaluate information from multiple sources to create, conduct, implement, and evaluate lessons for preschool students. Students will also create bulletin boards, storybooks, and other preschool based assignments. Second semester (January to June) students will be working entirely in our hybrid preschool based program. It will be required that students arrange to make formal observations at a daycare, preschool, or kindergarten setting. Students are required to complete College Level assignments from Three Rivers Community College as part of this course. Students will use problem-solving skills across the disciplines to analyze and explore various themes within Early Childhood Education. This course has a high expectation of community involvement, academic and behavior expectations within the school and greater Colchester community.

(0844) LIFE AFTER HIGH SCHOOL (formerly TEEN ISSUES AND RELATIONSHIPS)
Level: 2
Credit: 0.5
Offering: Spring to grades 11-12
Prerequisite: None
Description: Life After High School is a self-discovery oriented course that empowers students to critically evaluate issues and practice problem-solving skills related to personal, family, social, financial, and vocational life. Topics of study include: stress management, time management, how to cope and rise above setbacks,communication, relationships, employability skills,and “adulting” skills such as sewing on a button, meal planning and grocery shopping, apartment hunting, laundry basics, etc. Students will explore their future through a variety of hands-on projects and collaboration.

MATHEMATICS

Four credits in Mathematics are required for graduation. Students will take a math course for each of their four years of high school. Many colleges, including the Connecticut State Universities require a minimum of Algebra 1, Geometry, Algebra II and a 4th year of an Algebra intensive course for admission. Computer Electives may not be used to fulfill a math credit requirement.

Bacon 10: Students can solve problems using academic, technical, social, and creative skills.

RECOMMENDED COURSE SEQUENCES

9th	Algebra 1 (0315)
	|
10th	Geometry (0322)
	|
11th	Algebra 2 (0327)
	|
12th	Applications of Algebra 2 & Trig (0361)

9th	Algebra 1 (0315)
	|
10th	Geometry (0322)
	|
11th	Algebra 2 (0332)
	|
12th	Advanced Math (0336) OR Trigonometry & Statistics (0371)
Additional 12th grade electives:	- Discrete Math (0335) - AP® Statistics (0355)

9th	Geometry (0323)
	|
10th	Algebra 2 (0333)
	|
11th	Pre-Calculus (0343)
	|
12th	AP® Calculus (0353/0354) OR Trigonometry & Statistics (0371)

Additional 11th grade electives:	- AP® Statistics (0355) - Discrete Math (0335)
Additional 12th grade electives:	- Discrete Math (0335) - AP® Statistics (0355)

Math Electives for all grades:	(0352) Computer Programming 1A (0356) Computer Programming 1B (0362) Computer Programming 2 (0357) AP® Computer Science (0364) Computer Programming 4

CALCULATOR POLICY: Students in level 2, 3, & AP® classes are required to provide their own graphing calculators. Classroom sets will be used for level 1 classes. TI-83 plus or TI-84 are strongly recommended models since instruction is based upon these models. Calculators will be required throughout the school year to complete both in-class and homework assignments.

SUMMER ASSIGNMENT POLICY: Students may be required to complete a summer assignment (approximately 6-8 hours) for LEVEL 3 and ADVANCED PLACEMENT classes.

COMMON CORE: The Bacon Academy Math department is in the process of revising curriculum to align with the Common Core State Standards. The Common Core Math standards align the curriculum from K-12 and include both practice and curriculum standards. The 8 practice standards expected of students are as follows: 1.) Make sense of problems and persevere in solving them. 2.) Reason abstractly and quantitatively. 3.) Construct viable arguments and critique the reasoning of others. 4.) Model with mathematics 5.) Use appropriate tools strategically. 6.) Attend to precision. 7.) Look for and make use of structure. 8.) Look for and express regularity in repeated reasoning. More information on the Common Core Math curriculum standards can be found at www.corestandards.org.

(0320) ALGEBRA 1 A/B
Level: 1
Credit: 1.0 math credit for 0320 and 1.0 elective credit for 0321 (Algebra 1 A/B Alternate Day), to be taken concurrently, for a total of 2 credits
Offering: Not offered in 2022-2023
Prerequisite: Placement will be determined by teachers using a variety of student achievement data.
This course is based on the Connecticut curriculum which is designed to integrate the Common Core Math Curriculum and Practice Standards. This curriculum emphasizes problem solving and mathematical reasoning using real-world applications. Students will be required to use a variety of mathematical methods and representations to solve problems involving linear and nonlinear applications. Students will have opportunities to analyze and evaluate information and will be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical vocabulary and notation as part of their problem solving. Technological literacy will be developed through regular use of a graphing calculator to enhance processing efficiency and investigate mathematical concepts. This class is taught everyday rather than every other day to give students more time to process and practice content. More support and individualized attention will be available to help students strengthen their math skills while learning the Algebra curriculum.

(0315) ALGEBRA 1
Level: 2
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: Placement will be determined by teachers using a variety of student achievement data.
This is the first course in a traditional college preparatory math sequence. This curriculum emphasizes problem solving and mathematical reasoning using real-world applications. Students will be required to use a variety of mathematical methods and representations to solve problems involving linear and nonlinear applications. Students will have opportunities to analyze and evaluate information and will be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical vocabulary and notation as part of their problem solving. Technological literacy will be developed through regular use of a graphing calculator to enhance processing efficiency and investigate mathematical concepts.

(0327) ALGEBRA 2
Level: 1
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Credit earned in Algebra 1 (0315) or Algebra 1 A/B (0320)
This course is the third in the traditional math sequence, beginning with Algebra 1 and Geometry. A comprehensive review of basic algebraic skills and concepts will be integrated with a study of more advanced topics. Students will be required to utilize mathematical methods and concepts to solve problems involving linear, absolute value, and quadratic functions. Students will be encouraged to effectively analyze and evaluate information to solve problems and will be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical vocabulary and notation when responding to various questions and explaining

work. Technological literacy will be developed through frequent use of the graphing calculator to solve equations, create and investigate the properties of graphs, and to facilitate problem solving. Note: Students taking Algebra 2 (0327) will need to take Applications of Algebra 2 & Trig (0361) to receive NCAA accreditation for Algebra 2.

(0332) ALGEBRA 2
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Credit earned in Algebra 1 (0315) or Algebra 1 A/B (0320) with teacher recommendation
This course is the third in the traditional college preparatory math sequence, beginning with Algebra 1 and Geometry. Prior algebraic skills and concepts will be integrated into new material as we move toward a study of more advanced topics. Students will be required to utilize new and old mathematical methods and concepts to solve problems involving linear, quadratic, exponential, logarithmic and polynomial functions. Students will be encouraged to effectively analyze
and evaluate information to solve problems and will be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical vocabulary and notations when responding to various questions and explaining work. Technological literacy will be developed through daily use of the graphing calculator to solve equations, create and investigate the properties of graphs, and to facilitate problem solving. Note: This class does not meet the prerequisite for Precalculus.

(0333) ALGEBRA 2
Level: 3
Offering: Annually to grades 10-11
Prerequisite: Credit earned in Algebra 1 (0315) with teacher recommendation
This course is designed to offer a challenging and extensive approach to the study of advanced algebra in a fast-paced manner. Students will be required to utilize mathematical methods and concepts to solve problems involving linear, quadratic, exponential, logarithmic and polynomial functions. Additional topics may include rational functions and trigonometry. Students will be encouraged to effectively analyze and evaluate information to solve in-depth problems and will be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical vocabulary and notations when responding to various questions and explaining work. Technological literacy will be developed through daily use of the graphing calculator to solve equations, create and investigate the properties of graphs, and to facilitate problem-solving.

(0336) ADVANCED MATH
Level: 2
Credit: 1.0
Offering: Annually to grades 11-12
Prerequisite: Algebra 2 (0332) or (0333) with teacher recommendation
This course provides a junior/senior alternative to Pre-calculus for those students who do not intend to take Calculus next year. Students will be required to utilize mathematical and scientific methods and concepts to solve problems involving advanced algebra, trigonometry, and exponential growth and decay. Students will be required to work together in groups to investigate a collection of situations drawn from real life; each of which highlights a different mathematical concept. Students will be encouraged to effectively analyze and evaluate information to solve problems, and will be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical vocabulary and notation when responding to questions and explaining work. Technological literacy will be developed as an integral part of this course. The graphing calculator will be used daily to investigate and discover properties of graphs, to perform computations and to facilitate problem solving.

(0353) 🔓 AP® CALCULUS AB
Level: 4
Credit: 1.0 (College credits earned through ECSU-DEP or AP test)
Offering: Annually to grades 11-12
Prerequisite: Credit earned in Pre-Calculus and teacher recommendation

This Advanced Placement course is designed to prepare students for the AP Calculus AB exam. Students will be required to utilize mathematical and scientific methods and concepts in the study of analytic geometry, functions, limits, derivatives, and integrals of algebraic, trigonometric, inverse trigonometric, and logarithmic and exponential functions. Students will effectively analyze and evaluate information to solve problems involving applications of the derivative and integral, and will be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical vocabulary and notation when responding to questions and explaining their work. Students will develop technological literacy through daily use of the graphing calculator, which is required on the AP exam. This course may be taken concurrently with A.P. Statistics

(0354) 🔓 AP® CALCULUS BC
Level: 4
Credit: 1.0 (College credits earned through ECSU-DEP or AP test)
Offering: Annually to grades 11-12
Prerequisite: Credit earned in Pre-Calculus and teacher recommendation or students who have passed AP Calculus AB (0353)
This Advanced Placement course is designed to prepare students for the AP Calculus BC exam (equivalent to college level Calculus I and II). Students will be required to utilize mathematical and scientific methods and concepts in the study of analytic geometry, functions, limits, derivatives, and integrals of algebraic, trigonometric, inverse trigonometric, and logarithmic and exponential functions. Students will investigate and use polar coordinates, differential equations, infinite series, vectors, and conic sections. Students will effectively analyze and evaluate information to solve problems involving applications of the derivative and integral, and will be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical vocabulary and notation when responding to questions and explaining their work. Students will develop technological literacy through daily use of the graphing calculator, which is required on the AP exam. This course may be taken concurrently with AP® Statistics

(0355) 🔓 AP® STATISTICS
Level: 4
Credit: 1.0
Offering: Annually to grades 11-12
Prerequisite: Test/quiz average of 80 or better in Algebra 2 (0333) or Pre-Calculus (0343) OR a test/quiz average of 90 or better in Algebra 2 (0332) with a teacher recommendation. AP potential from PSAT scores will be taken into consideration.
This Advanced Placement course is designed to prepare students for the AP Statistics exam, and provides an excellent option for any student planning to pursue a post-high school education, regardless of the student's intended college major. The curriculum is designed to introduce students to the major concepts and tools for collecting and analyzing data. Students will be required to utilize mathematical methods and concepts to draw conclusions from data, then effectively analyze and evaluate the data to solve problems. Students will also be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical and statistical vocabulary and notation when responding to questions and explaining their work. Students will have an extensive amount of reading and writing and will develop technological literacy through daily use of the graphing calculator. The Advanced Placement Exam of the College Board will be offered at the completion of the course and will provide the student with an opportunity for college credit. Students who take the AP College Board exam are exempt from the Bacon Academy final exam for this course. A graphing calculator is required, however a TI-84 graphing calculator is strongly recommended due to statistical functions. (The course will be taught using only Texas Instruments Calculator models). Recommended to be taken concurrently with Pre-Calculus but can also be taken with AP® Calculus.

(0361) APPLICATIONS OF ALGEBRA 2 & TRIG
Level: 1
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Algebra 2 (0327)

This is a senior level class that extends on Algebra 2 topics. Students will be required to utilize mathematical methods and concepts to solve problems involving quadratic, exponential, logarithmic and trigonometric functions. Students will analyze, compare, and contrast these types of functions algebraically, graphically, verbally, and numerically. Students will investigate real world applications of each type of function. Students will be encouraged to effectively analyze and
evaluate information to solve problems and will be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical vocabulary and notations when responding to various questions and explaining work. Technological literacy will be developed through the use of the graphing calculator to solve equations, create and investigate the properties of graphs, and to facilitate problem solving.

(0335) DISCRETE MATH
Level: 3
Credit: 1.0
Offering: Grades 11-12
Prerequisite: Earned credit in Algebra 2 (0332 or 0333)
This course is designed to be taken as an elective math credit. Students who are planning to pursue the study of mathematics, computer science, or engineering at the college level are strongly encouraged to take this course. This course is intended to deepen your understanding of high school mathematics and to provide an introduction for the study of abstract mathematics and theoretical computer science. The curriculum is designed to introduce students to discrete math ideas and concepts that underlie the science and technology of the computer age. Students will develop an ability to think abstractly and develop algorithms to solve problems using logically valid forms of argument as well as communicate clearly and concisely using appropriate mathematical vocabulary and notation. A major component of this course is the basic principles of logical reasoning. A primary goal will be to develop an understanding of mathematical proofs and the ability to write them with precision using correct arguments and standard style, mathematical terminology and notation. Also included is the study of mathematical structures such as sets, relations, and recursion, along with exploration of graphs and trees and their application in artificial intelligence, scheduling and transportation.

(0308) GEOMETRY
Level: 1
Credit: 1.0
Offering: Not offered in 2022-2023
Prerequisite: Placement will be determined by teachers using a variety of student achievement data.
Geometry-1 introduces a variety of geometry topics including the basic structures of geometry and spatial visualizations. Problem-solving skills will be developed while building knowledge of the relationship among geometric elements. Students will explore the tools used to effectively analyze and evaluate information given from a variety of models, and then communicate clearly and concisely their mathematical and written analyses using correct geometric vocabulary and notation. Students will utilize various methods and concepts to solve problems involving measurement and classification of geometric shapes and figures. Students will also explore the transformations of congruent and similar shapes, and develop technological literacy using scientific calculators and introduction of dynamic Geometry software.

(0322) GEOMETRY
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Earned Credit in in Algebra 1 (0315) with teacher recommendation
This course is the second in the traditional college preparatory math sequence, beginning with Algebra 1. An understanding of the basic structures of geometry and spatial visualizations will be developed, while building knowledge of the relationships among geometric elements. Students will be required to effectively analyze and evaluate information from a variety of sources using inductive and deductive reasoning, and to communicate clearly, concisely, and persuasively using correct geometric vocabulary and notation. Students will be required to utilize mathematical methods and concepts to solve problems involving measurement and classification of

geometric shapes and figures. Right triangle trigonometry and properties of circles and polygons will be used to solve application problems. Students will develop technological literacy using scientific and graphing calculators.

(0323) GEOMETRY
Level: 3
Credit: 1.0
Offering: Annually to grade 9
Prerequisite: Placement will be determined by teachers using a variety of student achievement data.
This course is designed to offer a challenging and extensive approach to the study of geometry. Students will be required to effectively analyze and evaluate information from a variety of sources using inductive and deductive reasoning, and to communicate clearly, concisely, and persuasively using correct geometric vocabulary and notation. Students will be required to utilize mathematical methods and concepts to solve problems involving transformation, measurement, and classification of geometric shapes and figures. Right triangle trigonometry, the properties of circles and polygons, and probability will be used to solve application problems. Students will develop technological literacy using scientific and graphing calculators.

(0343) PRE-CALCULUS
Level: 3
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Earned credit in Algebra 2 (0333) and teacher recommendation
This course is a combination of advanced algebra and trigonometry, and is designed to provide the student with an understanding of the advanced mathematics required for calculus. Students will be required to utilize mathematical and scientific methods and concepts in the study of functions, solutions of higher degree equalities and inequalities, circular functions and their inverses, trigonometric functions, exponential and logarithmic functions, and other topics as time allows. Students will effectively analyze and evaluate information to solve problems, and will be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical vocabulary and notation when responding to questions and explaining work. Students will develop technological literacy through daily use of the graphing calculator. Note: This course may be taken concurrently with A.P. Statistics

(0371) TRIGONOMETRY & STATISTICS
Level: 2
Credit: 1.0
Offering: Annually to grades 11/12
Prerequisite: Advanced Math (0336) or Pre-Calculus (0343)
This course will serve as an introduction to both trigonometry and statistics concepts. Trigonometry topics including right triangle trig, reciprocal trig ratios, applications, unit circle, radian measure, trig identities, periodic graphs and their translations will be explored. Statistics topics include collecting, organizing, displaying, interpreting, and analyzing data utilizing appropriate statistical tools and methods. Students will design and implement surveys and experiments, analyze results and present findings.

MATH ELECTIVES

(0352) COMPUTER PROGRAMMING 1A
Level: 2
Credit: 0.5
Offering: Fall to grades 9-12
Prerequisite: None
This course is designed to introduce skills that are used for computer programming. Students will be encouraged to effectively analyze and evaluate information to solve problems and will be required to demonstrate an ability to communicate clearly and concisely using appropriate vocabulary. Technological literacy will be developed through

individual assignments. Students will write programs using a graphical programming interface like Alice and a standard programming approach using Python that result in printed or graphical outputs. A strong math aptitude is necessary.

(0356) COMPUTER PROGRAMMING 1B
Level: 2
Credit: 0.5
Offering: Spring to grades 9-12
Prerequisite: Computer Programming 1A
This course is a continuation of Computer Programming 1A. Students will continue to develop their ability to write programs using the Python programming language while utilizing programming methods and concepts to solve problems involving basic computer operations and development of more advanced programming techniques required for computer games. Technological literacy will be further developed through daily use of the computer.

(0362) COMPUTER PROGRAMMING 2
Level: 3
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite:Earned credit in Computer Programming 1B or teacher approval
This course is a continuation of Computer Programming 1. Students will continue to develop their ability to write programs with an emphasis on the Python programming language while also exploring computer science principles and logical programming.. Students will be required to effectively analyze and evaluate information to develop program algorithms, then utilize programming methods and concepts to design and write computer games and applications. Technological literacy will be further developed through daily use of multiple computer programs and software.

(0357) 🔓 AP® COMPUTER SCIENCE
Level: 4
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite:Earned credit in Computer Programming 1B or teacher recommendation
This Advanced Placement course is designed to prepare students for the AP Computer Science exam. Students will develop advanced programming skills and write programs using the JAVA programming language. Strong algebra and reading skills are necessary.

(0364) COMPUTER PROGRAMMING 4
Level: 3
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Earned credit in Computer Programming 2 or teacher recommendation
This course is designed to provide students an opportunity to investigate, individually and/or collaboratively, areas of interest to them in the field of computer science. This course is designed for any student planning on furthering their education in computer science at the college level. Students will be encouraged to explore the various fields of study within this discipline that may become their area of concentration after graduation. Networking, Web Design, Mobile applications or in-depth exploring of other programming languages are possible areas of study for students in this course. Technological literacy will be developed through individual performance tasks and programming projects.

MUSIC

Music Expectations
Students in Music will:
- Musically communicate clearly, concisely and persuasively in their medium
- Effectively evaluate, read and analyze musical information from a variety of sources
- Demonstrate the Five Core values: Respect, Responsibility, Achievement, Safety, Compassion in order to maintain a strong foundation for learning

(0854) CONCERT BAND PERCUSSION
Level 2
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: By audition and consent of Instructor
Students interested in percussion will meet in a rehearsal as a class in the school's schedule. Students should be at an Intermediate technical level.Students may be expected to be responsible members of a performing ensemble. From this class, students may perform with the Symphonic Band and Marching Band. Concert performances will be scheduled. Solo auditions and festival opportunities are available. Grading criteria includes individual performance and after school participation attendance.

(0851) SYMPHONIC BAND
Level 2
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: By teacher placement
Wind instrumentalists only meet as a class in the school's schedule in a band rehearsal. Lessons are scheduled to assist students with their personal technique. Students are expected to be responsible members of a performing ensemble and at an Intermediate skill level on their instrument. All perform as a Concert Band and Marching Band. Concert performances are held each semester. Solo auditions and festival opportunities are available. Grading involves individual performance and after school participation and attendance.

(0852) WIND ENSEMBLE
Level 2
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: By teacher placement and audition.
Advanced instrumental students will perform concert band and challenging concert band literature. All Students will need to be at a proficient technical level. Students are expected to be responsible members of a performing ensemble. All perform as a Concert Band and Marching Band. Concert performances are held each semester. Solo auditions and festival opportunities are available. Grading involves individual performance and after school participation and attendance. Grades will be based on performances. Performances will be scheduled throughout the year. This course will meet daily at 6:45am.

(0866) WIND ENSEMBLE
Level 3
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: By teacher placement and audition.
Advanced instrumental students will perform concert band and challenging concert band literature. All Students will need to be at a proficient technical level. Students are expected to be responsible members of a performing ensemble. All perform as a Concert Band and Marching Band. Concert performances are held each semester. Solo auditions and festival opportunities are available. Grading involves individual performance and after school participation and attendance. Grades will be based on performances. Level 3 students will need to be an active member of a performing small ensemble. Performances will be scheduled throughout the year. This course will meet daily at 6:45am.

(0857) JAZZ BAND
Level 3
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: By teacher placement and audition.
The most advanced instrumental students will perform concert band and challenging concert jazz literature with an emphasis on improvisation. All students will participate in Wind Ensemble and Jazz Band. Students will need to be at a proficient technical level and attend after school band performances and rehearsals. Grades will be based on performances and after school rehearsals. Performances will be scheduled throughout the year.

(0872) 🔓 MUSIC FUNDAMENTALS—With Technology
Level 2
Credit: 0.5 (College credits earned through Uconn-ECE)
Offering: Fall, Spring Semesters to grades 10-12.
Prerequisite: None
Students will use the computer lab to learn note and rhythm reading, scales, intervals and chords through piano keyboard technique and software assignments. Melodic and harmonic concepts will be covered. Students with little or no musical knowledge are welcome. This class can be taken in any sequence with Music Technology.

(0874) MUSIC TECHNOLOGY
Level 2
Credit: 0.5
Offering: Fall, Spring to grades 10-12
Prerequisite: None
Students will learn to use several music software programs including GarageBand and iMovie. Students will learn to compose, edit, and mix their own music through a wide variety of projects, including video. This is a project based, student centered class and students must be able to work independently and with self direction. No prior knowledge of computer music, sound engineering or instrumental or choir experience needed. This class can be taken in any sequence with Music Fundamentals. Students are expected to be respectful of the expensive equipment they will use.

(0858) 🔓 AP® MUSIC THEORY
Level 4
Credit: 1.0 (College credits earned through Uconn-ECE)
Offering: Offered in 2022-2023 to grades 10-12.
Prerequisite: Students need to know major scales, keys, Intervals of the Major scale by sight and sound and triads by sight and sound or successful completion of course (0872) - Music Fundamentals
This is a *year long* course. By learning music theory and beginning composition, students will improve their aural skills, dictation, and sight singing. Course objectives are taken from the AP Music Theory and Composition Course Description published by the College Board. The ultimate goal is to develop a student's ability to recognize, understand, analyze, and describe the aspects and processes of music. Students will engage in a variety of written, singing, and compositional exercises. The focus will be on learning the foundational principles of music theory that lead to analysis and beginning composition. The primary goal is to prepare students to take the *AP Music Theory* exam offered at the end of the year. Students who pass may earn college credit.

(0860) CONCERT CHOIR
Level 2
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: None
Concert Choir is a mixed-voice performing ensemble that meets according to block scheduling and offers individual/sectional rehearsals as needed. This class is open to all students and emphasizes vocal production, sight singing, ear training, as well as providing the opportunity to perform a wide range of styles. Concert Choir performs regularly throughout the year. These performances are a requirement of the class.

(0867) CHAMBER/JAZZ CHOIR
Level 3
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Teacher recommendation and audition (must be completed before course selection).
Chamber/Jazz Choir is an advanced singing group offered at Bacon Academy. The repertoire for the group includes compositions from the Renaissance through contemporary music, and has a strong emphasis on Vocal Jazz. It is an upper level choral-performing ensemble that meets according to block scheduling, with individual/sectional rehearsals scheduled as needed. Personal musicianship skills developed through participation in this ensemble include advanced singing techniques, music literacy, music theory, ear training, and performance experience. Prior membership in a Bacon Academy choral ensemble is expected. Attendance is required at all rehearsals and performances as the Chamber/Jazz Choir performs and competes regularly in and out of school throughout the year. Students may be asked to attend extra rehearsals as needed, weekend performances, and complete a Region audition.

(0862) WOMEN'S CHOIR
Level 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: By teacher placement and audition (must be completed before course selection).
The Women's Choir is an advanced singing group and is open to women only. It is a performing ensemble that meets according to block scheduling with individual/sectional rehearsals scheduled as needed. Emphasis is on vocal production, sight singing, aural skills, as well as providing the opportunity to perform a wide range of styles. Ensemble skills that are developed include awareness of and sensitivity to ensemble tone quality, blend, balance, intonation, articulation, phrasing, dynamics, and style. Prior membership in a Bacon Academy choral ensemble is expected. Women's Choir performs regularly in and out of school throughout the year. These performances are a requirement of the class. Students may be asked to attend extra rehearsals as needed, possible weekend performances, and complete a Region audition.

PHYSICAL EDUCATION/HEALTH

Physical Education is offered as a means of guiding youth through successive stages in 1) the development of physical fitness; 2) lifetime skills and activities; 3) desirable social traits and qualities of good sportsmanship. The Physical Education program is built on continuity of activities and progression in skill development.

(0950) PERSONAL HEALTH AND WELLNESS
Level 2
Credit: 0.5
Offering: Fall, Spring grade 9
Prerequisite: None
This course is designed to expose students to a wide variety of health topics to build a foundation of knowledge, attitudes and practices relating to personal health and wellness. This course emphasizes the ability to apply healthy living skills through inquiry-based learning to promote lifelong wellness. Topics of exploration include: CPR & First Aid training, physical activity, nutrition, human sexuality, substance abuse, conflict resolution, violence prevention, stress management, mental illness, internet safety awareness, and disease prevention. Students taking this course can pursue Adult and Pediatric First Aid/CPR/AED certification through the Red Cross.
Curricular exemption: Instruction in HIV/AIDS, family life education, and sexual abuse prevention is offered in Personal Health and Wellness classes in grade 9. AIDS instruction also includes instruction about the prevention of sexually transmitted diseases and is taught as part of the health course required for graduation. Health teachers continuously stress abstinence in their instruction including topics such as contraception and the use of contraceptives. Under 10-19c of the Connecticut statutes and Colchester Board of Education policy, parents can make a written request to exempt their students from the AIDS portion of the course. The written request should be sent to the school principal.

(0939) SENIOR HEALTH AND WELLNESS
Level 2
Credit: 0.5
Offering: Fall, Spring grade 12
Prerequisite: (0950) Personal Health and Wellness
This course will expand upon and refresh topics from the Grade 9 Health and Wellness course, with the goal of developing lifelong positive behaviors and wellness choices. Units in this course are centered on the following topics: alcohol, nicotine, and other drugs (ANOD), healthy relationships and violence prevention, healthy eating and physical activity, sexual health, optimal wellness and disease prevention, sexual assault and abuse prevention, mental and emotional health, safety and injury prevention, and community health. Through the study of these concepts, students will comprehend the principles related to health promotion and disease prevention, and demonstrate their ability to use this knowledge in a healthful manner now and in the future.
Curricular exemption: Instruction in HIV/AIDS, family life education, and sexual abuse prevention is offered in Personal Health and Wellness classes in grade 9. AIDS instruction also includes instruction about the prevention of sexually transmitted diseases and is taught as part of the health course required for graduation. Health teachers continuously stress abstinence in their instruction including topics such as contraception and the use of contraceptives. Under 10-19c of the Connecticut statutes and Colchester Board of Education policy, parents can make a written request to exempt their students from the AIDS portion of the course. The written request should be sent to the school principal.

(0945) PHYSICAL EDUCATION - Lower PE Non-weighted
Level 1
Credit: 0.5
Offering: Fall, Spring to grades 9
Prerequisite: None
Students will compete in team sport activities as well as a focus on lifelong personal fitness/wellness activities. Students will be introduced to the fitness center equipment/technology and implement an individualized fitness plan as a part of the PE program.

(0946) PHYSICAL EDUCATION—Upper PE Non-weighted
Level 1
Credit:0.5
Offering: Fall, Spring to grades 10-12
Prerequisite: None
Students will compete in team sport activities as well as a focus on lifelong personal fitness/wellness activities. Students will use the fitness center equipment/technology to achieve personal fitness goals. Students will design and implement their own individualized physical fitness plan as part of the PE program.

(0953) 🔓 ADVANCED WEIGHT TRAINING - Upper PE weighted
Level 2
Credit: 0.5 (college credits earned through TRCC-CCP)
Offering: Fall, Spring
Prerequisite: 0946 Physical Education--Upper PE
This course is designed to follow PE sections. Students will learn the mechanics of traditional weight training lifts, and apply training concepts to student-designed training programs. Students will acquire knowledge of exercise physiology, biomechanics, performance nutrition and their impacts on weight training. Students will explore through research the effects of ergogenic aids, and the impact on training. Following the course, students will be proficient in creating and executing a designed training program.

(0954) 🔓 INTRODUCTION TO FITNESS -- Upper PE weighted
Level 2
Credit: 0.5 (college credits earned through TRCC-CCP)
Offering: Fall, Spring to Grades 11 and 12
Prerequisite: 0946 Physical Education--Upper PE
This course is designed to follow PE sections. Students will gain knowledge of basic anatomy: the bones of the body, major muscle systems, and types of muscle tissue will all be identified. Students will apply exercise basics such as fitness components, skill components, principles of exercise and modification of exercise; and understand how they will incorporate these concepts to both exercise and sport. Students will also learn how macro-nutrients in nutrition and mental fitness provide them success toward exercise and fitness.

(0955) 🔓 LIFETIME FITNESS -Upper PE weighted
Level 2
Credit: 0.5 (college credits earned through TRCC-CCP)
Offering: Fall or Spring to Grades 11 and 12
Prerequisite: 0946 Physical Education--Upper PE
This course is designed to evaluate the 5 components of physical fitness. A physical fitness pretest will be conducted on each student and an individualized exercise program will be developed and implemented. Information involving nutrition, fitness and lifestyle will be presented to educate the students on the aspects of lifetime fitness. Lifetime fitness activities will also be explored. Each student is required to take a physical fitness post test. A goal of the course will be to achieve a fitness level equal to or exceeding levels required by the Connecticut Police Officers Standards and Training Council Fitness Test Standard.

SCIENCE

Recommended Science Course Sequence
The following is the *recommended* science course sequence to meet the required three credits in science for graduation. Courses in bold are approved for potential college credit for the 2022-23 school year. Check with guidance for criteria.

9th Grade	Energy Explorations Level 2 and 3 (1 credit) *
10th Grade	**Biology (1 credit)—Level 2 and 3 AP Biology (1.50 credits)—Level 4 **Marine science (.5 credit) - Level 2** **Environmental science (.5 credit) - Level 2** **Science and Alternative Energy Technology (1 credit) – Level 2** STEM physics (1 credit) --Level 2
11th and 12th Grade	Chemistry in the Community (1 credit) - Level 2 Chemistry (1 credit)—Level 2 and 3 AP Chemistry (1.50 credits)—Level 4 AP Biology(1.50 credits)—Level 4 Physics (1 credit) —Level 3 STEM physics (1 credit) --Level 2 **AP Physics 1 & 2 (1 credit)—Level 4** **Marine Science (.5 credit) - Level 2** **Environmental Science (.5 Credit)— Level 2** **AP Environmental Science (1 credit) Level 4** **Human Anatomy/Physiology (.5 to 1 credit)— Level 2** **Forensics (.5 credits) - Level 2** **Science and Alternative Energy Technology (1 credit) – Level 2**

*** All 9th graders take Energy Explorations**
**** All 10th graders take biology and may concurrently take science electives if they fit in their schedule**

Academic Expectations:

Bacon Academy Science students will demonstrate ability to:

- *Communicate in a variety of methods*
- *Read, analyze, and evaluate information from a variety of sources*
- *Use problem-solving skills across the disciplines*
- *Use technology as a tool for learning, creating, organizing, and presenting*

Social and Civic Expectations:

Bacon Academy Science students will demonstrate its Five Core Values:

- *Respect, Responsibility, Achievement, Safety and Compassion to maintain a strong foundation for learning*

(0425) BIOLOGY
Level: 2
Credit: 1.0
Offering: Annually to 10th grade students
Prerequisite: Successful completion of Level 2 Energy Explorations. A teacher recommendation may be substituted for a student not meeting prerequisites.

Biology is a laboratory-oriented course for those students preparing for college. This level of biology prepares students for success on the Next Generation Science Standards (NGSS). Biology is designed to make students aware of themselves and the organisms in their environment. The major themes are diversity of life, the interrelationship between structure and function, organisms and their environment, cells and cell functions, genetics and evolution. Students will use problem solving skills to analyze data from laboratory experiments as well as use appropriate technology to effectively communicate and analyze results. Biology students will also read, analyze and evaluate information from multiple scientific resources.

(0426) BIOLOGY
Level: 3
Credit: 1.0
Offering: Annually to 10th grade students
Prerequisite: Students must be in grade 10 and have an 85 or better in Level 3 Energy Explorations. A teacher recommendation may be substituted for a student not meeting prerequisites.

This course is offered for highly motivated students who intend to further their education after high school, possibly in the field of science. This level of biology prepares students for success on the Next Generation Science Standards (NGSS). Themes include diversity of life, relationship of structure and function, cells and cell functions, genetics, and evolution. Each student will engage in independent research, reading and analyzing data from various sources. To perform satisfactorily in this course, students will be required to solve problems using higher level processing skills such as analysis and application of material. Technology will be used as a tool to communicate in a variety of sophisticated methods. Students who excel in this class will be given consideration for Advanced Placement science courses.

(0427) 🔓 AP® BIOLOGY
Level: 4
Credit: 1.5
Offering: Annually to grades 10-12
Prerequisite: A grade of 85 or better in Level 3 Energy Explorations or a grade of 80 or better in Chemistry is recommended.

Advanced Placement Biology is also open to Level 2 Juniors/Seniors with a grade of 90 or better in Level 2 Biology and concurrent enrollment in or completion of Chemistry. A teacher recommendation may be substituted for a student not meeting prerequisites. AP Biology is intensive in its approach and extensive in its coverage of cytology, biochemistry, genetics, evolution, organismal physiology and ecology. AP laboratory investigations implement curriculum-mandated concepts using the most readily available technology. Students are expected to assimilate information beyond syllabi assignments by applying a range of communication techniques. Written assignments will feature detailed laboratory reports and concept papers. Students are recommended to take the

AP National exam in May. If successfully passed, one year of college level biology credit may be secured by the student and can be transferred to many colleges and universities throughout the United States and abroad.

(0438) CHEMISTRY IN THE COMMUNITY
Level: 2
Credit: 1.0
Offering: Not offered in 2022-2023
Prerequisite: Successful completion Energy Explorations. Algebra 1 is required, Algebra 2 is recommended. A teacher recommendation may be substituted for a student not meeting prerequisites.
Chemistry in the Community was developed by the American Chemical Society to introduce traditional high school chemistry topics which emphasize chemistry's impact on society. This level of chemistry prepares students for success on the Next Generation Science Standards (NGSS).With Chemistry in the Community, students evaluate data and make decisions based on observations in order to develop solutions to real-world problems. Topics include: Materials, Air, Water, Industry and Nuclear Interactions.

(0435) CHEMISTRY
Level: 2
Credit: 1.0
Offering: Annually to grades 11-12
Prerequisite: A grade of 80 or better in Level 2 Energy Explorations and Biology. Algebra 1 is required. Algebra 2 is recommended. A teacher recommendation may be substituted for a student not meeting prerequisites.
This course is an investigation into the structure and composition of substances, the changes in composition and the mechanisms by which these changes occur. This course is designed for those students wanting to meet general college requirements for laboratory science. This level of chemistry covers the Connecticut State Frameworks while transitioning to Next Generation Science Standards (NGSS). Concepts included are matter, energy, atomic structure, chemical bonding, chemical reactions, thermodynamics, phase of matter, solutions, acids and bases. Contemporary issues are included as appropriate. Students are encouraged to analyze and evaluate problems from multiple sources. Laboratory experiences, technology, and mathematical problem solving will dictate a high level of responsibility on the part of the student for achievement.

(0436) CHEMISTRY
Level: 3
Credit: 1.0
Offering: Annually to grades 11-12
Prerequisite: A grade of 80 or better in Level 3 Energy Explorations, and Biology, or a grade of 90 or better in Level 2 Energy Explorations and Biology is recommended. Completion of or concurrent enrollment in Level 3 Algebra 2 is recommended. A teacher recommendation may be substituted for a student not meeting prerequisites.
This course is offered for highly motivated students who intend to further their education after high school. This level of chemistry covers the Connecticut State Frameworks while transitioning to Next Generation Science Standards (NGSS). Chemistry is a study of the structure and composition of matter, the changes in composition and the mechanisms by which these changes occur. To perform satisfactorily in this course, students will be required to solve problems using mathematical skills, use technology and higher level processing skills such as analysis and application of materials from multiple sources to master achievement.

(0437) 🔓 AP® CHEMISTRY
Level 4
Credit: 1.5
Offering: Annually to grades 11-12
Prerequisite: A grade of 80 or better in AP Biology or a grade of 85 or better in Level 3 Biology and Level 3 Algebra 2 is recommended.

This course is also open to Seniors with a grade of 85 or better in Level 3 Chemistry and Algebra 2. A teacher recommendation may be substituted for a student not meeting prerequisites. Advanced Placement Chemistry provides highly motivated students with the opportunity to gain college credit in chemistry while in high school. This demanding course requires substantial out of class time commitment by the student to master achievement. Students enrolled in AP Chemistry are being prepared to meet the criteria established by the College Board Examination Committee. Chemistry is a study of the structure and composition of matter, the changes in composition and the mechanisms by which these changes occur. Problem solving skills, reading, analyzing, and evaluating information will be required. Students are recommended to take the AP National exam in May. If successfully passed, one year of college level chemistry credit may be secured by the student and can be transferred to many colleges and universities throughout the United States and abroad. In addition, this course can earn 8 credits through Eastern Connecticut State University. Students must obtain a 75 or better in the course to earn ECSU credit. Students interested in obtaining ECSU credits should see their guidance counselor for more information.

(0472) ENERGY EXPLORATIONS
Level: 2
Credit: 1.0
Offering: Annually to all 9th grade students
Prerequisite: Recommendation of 8th grade teacher and/or school counselor.
Energy Explorations is aligned to the Next Generation Science Standards (NGSS). The focus of the course is energy and energy transformations as related to the formation of and continual change in the Earth. This course is an integration of chemical, physical and biological sciences. The major topics covered are Earth's geological processes, nuclear energy, light energy, and wave energy. Contemporary issues in science are also explored and related to everyday situations.The science and engineering practices of modeling, planning and carrying out investigations, argumentation with evidence, engineering and design are applied. Students will analyze real-world problems and study their impact on the Earth.

(0473) ENERGY EXPLORATIONS
Level: 3
Credit: 1.0
Offering: Annually to all 9th grade students
Prerequisite: Enrollment in Level 3 math course is recommended,and a grade of 90 or better in 8th grade science or recommendation of 8th grade teacher.
Energy Explorations is aligned to the Next Generation Science Standards (NGSS). This course is an integration of chemical, physical and biological sciences focusing on energy and energy transformations as they relate to the formation of and continual change in the Earth. The major topics covered are Earth's geological processes, nuclear energy, light energy, and wave energy. Contemporary issues in science are also explored and related to everyday situations.The science and engineering practices of modeling, planning and carrying out investigations, argumentation with evidence, engineering and design are applied. Students will analyze real-world problems and study their impact on the Earth. Students will be expected to possess a high level of motivation and willingness to work independently as well as above average aptitude in mathematics and writing. Students who excel in this class will be given consideration for Advanced Placement courses.

(0468) 🔓 ENVIRONMENTAL SCIENCE
Level: 2
Credit: 0.5 (College credits earned through ECSU-DEP)
Offering: Fall/Spring to grades 10-12
Prerequisite: Successful completion of Energy Explorations and Biology or concurrent enrollment in Biology. A teacher recommendation may be substituted for a student not meeting prerequisites. Students earning a 75% or higher are eligible for college credit through Eastern CT State University.
Environmental Science is a semester course that explores the state of our planet through a variety of science concepts using physics, chemistry and biology. Ecosystems are closely examined. The course will focus on the impact of human development on the sustainability of the environment. Studies involve on-site collection of data

and its subsequent analysis, ultimately communicating findings in a variety of methods. Additional topics will include atmosphere, human populations as well as energy flow.

(0470) 🔓 AP® ENVIRONMENTAL SCIENCE
Level: 4
Credit: 1.0 (College credits earned through Uconn-ECE or AP® test)
Offering: Annually to grades 11-12
Prerequisite: Successful completion of Energy Explorations as well as a grade of 80 or better in Level 3 Biology or AP Biology. Enrollment in or completion of Chemistry is required. Level 2 juniors and/or seniors may also take the course; however, a grade of 90 or better in level 2 Biology and enrollment in or completion of Chemistry is required. A teacher recommendation may be substituted for a student not meeting prerequisites.
Advanced Placement Environmental Science (APES) is a University of Connecticut Early College Experience (ECE) program which provides an opportunity for highly motivated students to take a first-year university course (UCONN NRME 1000- Environmental Science). APES offers college credit for those who successfully complete the course with a 75 or better (3.0 college credits issued by the University of Connecticut). Students who fail to attain at least a 75 are still eligible to receive high school credit upon successful completion of the course. This rigorous course also prepares students to take the AP Environmental Science National Examination which may allow for placement in and/or credit equivalency for certain levels of college science. Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.

(0446) 🔓 FORENSICS
Level: 2
Credit: 0.5 (College credits earned through TRCC-CCP) Student must be enrolled in an Honors level English class at ANY grade level either before or during the time the student is enrolled in CJS*K225
Offering: Fall, Spring to grades 11-12
Prerequisite: Successful completion of Energy Explorations and Biology is required. A teacher recommendation may be substituted for a student not meeting prerequisites.
Forensics is a course which covers topics previously learned in Energy Explorations (or Integrated Science) and Biology that are pertinent to the area of forensics. Students will use laboratory techniques to explore such topics as identifying unknown substances and determining the possible perpetrator of a crime using DNA analysis and fingerprint analysis. Technology will be used as a tool for research, problem solving, and data presentation giving students an idea of how real crime scenes are investigated and solved. This course is lab intensive and hands-on

(0454) 🔓 HUMAN ANATOMY/PHYSIOLOGY
Level: 2
Credit: 0.5 (College credits earned through ECSU-DEP - if taken in the same academic year as 0474, earning a final grade of 73 or higher)
Offering: Fall, to grades 11-12
Prerequisite: Successful completion of Energy Explorations and Biology; successful completion of or concurrent enrollment in Chemistry. A teacher recommendation may be substituted for a student not meeting prerequisites.
This course is designed for students who want a comprehensive study of the structure and function of the human body. The course will attempt to cover all the major organ systems of the human body with emphasis on developing an understanding of anatomical and physiological nomenclature and principles. The course is recommended for any student contemplating a career in the allied health sciences such as nursing, physical therapy, occupational therapy, laboratory technician, respiratory technician, and cardiovascular technician. Students will learn to communicate in a variety of methods as they analyze and evaluate information from multiple resources. Students will also use problem solving skills and technology as a tool for learning, creating, organizing and presenting. The emphasis of the fall semester will be placed upon those areas of study which relate to work

as a laboratory technician. Dissections are not emphasized. Some possible units might include cytology, histology, body systems, metabolism, fluid-electrolyte-pH balance, blood cell physiology and gaseous exchange.

(0474) 🔓 HUMAN ANATOMY/PHYSIOLOGY- APPLICATIONS
Level: 2 (College credits earned through ECSU-DEP - if taken in the same academic year as 0454, earning a final grade of 73 or higher)
Credit: 0.5
Offering: Spring to grades 11-12
Prerequisite: Successful completion of Energy Explorations and Biology; successful completion of or concurrent enrollment in Chemistry. A teacher recommendation may be substituted for a student not meeting prerequisites.
This course is designed for students who want a comprehensive study of the structure and function of the human body. The course will attempt to cover all the major organ systems of the human body with emphasis on developing an understanding of anatomical and physiological nomenclature and principles. The course is recommended for any student contemplating a career in allied health sciences such as nursing, physical therapy, occupational therapy, laboratory technician, respiratory technician, and cardiovascular technician. Students will learn to communicate in a variety of methods as they analyze and evaluate information from multiple resources. Students will also use problem solving skills and technology as a tool for learning, creating, organizing and presenting. The spring semester will emphasize those areas of study associated with work in the allied health sciences including several dissections.

(0453) 🔓 MARINE SCIENCE
Level: 2
Credit: 0.5 (College credits earned through UCONN-ECE)
Offering: Fall, Spring to grades 10-12
Prerequisite: Successful completion of Energy Explorations and Biology, or concurrent enrollment in Biology is required. A teacher recommendation may be substituted for a student not meeting prerequisites.
Marine Science is an elective course that will build on topics learned in Energy Explorations and Biology as they relate to our planet's oceans. The class is designed for any student interested in pursuing marine science in the future or just gaining information about the marine environment. Marine Science will study the organisms and processes contained within its vast boundaries. Concepts featured in the course will include the history of marine biology, ocean exploration, physical and chemical features of oceans, marine ecosystems, taxonomy as well as marine flora and fauna. Students will use a variety of scientific methods to read, analyze, and evaluate information from a variety of sources including laboratory experiments, research and presentations.

(0449) PHYSICS
Level: 3
Credit: 1.0
Offering: Annually to grades 11-12
Prerequisite: Successful completion of Energy Explorations and Biology with an 80 or higher. A grade of 80 or better in Algebra 2 is recommended. A teacher recommendation may be substituted for a student not meeting prerequisites.
This course is offered for highly motivated students who intend to further their education after high school. Physics is an investigation into the behavior and interrelations of matter and energy. This level of physics incorporates Next Generation Science Standards (NGSS). Concepts covered will include the nature and cause of motion, forces, heat, waves, sound, light, magnetism, and the development and application of modern physics. Although in-depth problem solving will be stressed, students will have the opportunity to apply what they learn in doing hands-on projects. Laboratory investigations are an essential part of the course. This course is intended for the student who may be interested in science, engineering, medicine or computer science. In order to perform satisfactorily in this course, students will be required to solve problems using mathematical skills and higher level processing skills such as analysis with application.

(0451) 🔓 AP® PHYSICS 1
Level :4
Credit: 1.0 (College credits earned through ECSU-DEP or AP® test)
Offering: Annually to grades 11-12
Prerequisite: Successful completion of Energy Explorations and Biology with an 85 or higher. A grade of 90 or better in Algebra 2 is required. Students are recommended to be concurrently enrolled in Pre-calculus or Calculus. A teacher recommendation may be substituted for a student not meeting prerequisites.
This course is approved for credits by the ECE (Early College Experience) program at UCONN (4 credits) and ECSU (8 credits). Both options require a grade of 73 or better to earn credit. Students interested in these options should discuss which one to pursue with their guidance counselor. This course is equivalent to a first-semester college course in algebra-based physics. AP Physics 1 will cover Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. Students enrolled in AP Physics 1 are being prepared to meet the criteria established by the College Board Examination Committee. It is strongly recommended that students take the AP exam that is given in the latter part of May. If successfully passed, students can earn one semester of college level Physics credit depending on the policies of individual colleges and universities. Students must be willing to commit the time necessary to adequately prepare themselves to take the AP exam. To perform satisfactorily in this course, it is recommended that a student demonstrate high mathematical ability.

(0458) 🔓 AP® PHYSICS 2
Level: 4
Credit: 1.0
Offering: Not offered in 2022-2023
Prerequisite: Successful completion of AP Physics 1 is required. A grade of 90 or better in Algebra 2 is required. Students are recommended to be concurrently enrolled in Precalculus or Calculus. A teacher recommendation may be substituted for a student not meeting prerequisites.
This course is equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, atomic physics and nuclear physics. Students enrolled in AP Physics 2 are being prepared to meet the criteria established by the College Board Examination Committee. It is strongly recommended that students take the AP exam that is given in the latter part of May. If successfully passed, students can earn one semester of college level Physics credit depending on the policies of individual colleges and universities. Students must be willing to commit the time necessary to adequately prepare themselves to take the AP exam. In order to perform satisfactorily in this course, it is recommended that a student demonstrate high mathematical ability.

(0459) STEM PHYSICS
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Successful completion of Energy Explorations and Biology, or concurrent enrollment in Biology. A grade of 70 or better in Algebra 1 and Algebra 2 is required. Students may be concurrently enrolled in Algebra 2 or a fourth year of mathematics. A teacher recommendation may be substituted for a student not meeting prerequisites.
This course is designed for students to learn and apply physics using engineering practices and principles. This level of physics incorporates Next Generation Science Standards (NGSS). The name STEM denotes the emphasis on integrating science, technology, engineering, and mathematics as students create and analyze products using standard engineering practices. Students are presented with problems modeled after authentic, real-world scenarios. The products are then built, tested, and improved upon through redesign in the technology laboratory. Relevant math concepts and science principles are taught so that students will understand the design and operation of each product. Topics include mechanics (force, motion and energy), electricity, magnetism, and sound, as well as the engineering design process. The project-based format will enable students to discover for themselves the role of physics in real life and foster development, cooperative, and creative teamwork. This

course is designed to meet the general college requirements for laboratory science as well as providing a practical course for students interested in pursuing engineering or a technology career after high school.

(0455) 🔓 SCIENCE AND ALTERNATIVE ENERGY TECHNOLOGY
Level: 2
Credit: 1.0 (College credits earned through TRCC-CCP)
Offering: Annually to grades 10-12
Prerequisites: Successful completion of Energy Explorations. A teacher recommendation may be substituted for a student not meeting prerequisites.
The Science and Alternative Energy Technology course will focus on the importance of establishing and building sustainable alternative energy options. Students will discover how their decisions can impact the environment through education, career opportunities, and daily routines. This team-taught (Science & Tech Ed), hands-on course will explore technology and its impact on the environment, both positive and negative. Students will focus on energy efficiency through participation in various energy audits. Students will develop projects that can be applied to topics such as alternative energy, recycling, water preservation and purification, transportation, waste management, and environmental remediation.

(0462) SCIENCE RESEARCH
Level: 2/3
Credit: 0.25
Offering: Fall, Spring to grades 10-12
Prerequisite: Candidate must have successfully completed one year of level 3 or AP science. An application form must be obtained from a science teacher. Due to the scope of the course and limited availability of laboratory space, upperclassmen will receive priority. Students interested in enrolling must schedule a conference with a science teacher before filling out an application.
Science Research is designed to challenge academically talented students interested in science by utilizing independent research and study. Students are oriented to research methodology and current scientific literature. Research problems and progress are exchanged between students and staff during scheduled meetings. A research report is required for completion of the course. Students are not scheduled in a regular class period but are required to “log” a minimum number of hours per week and attend all scheduled meetings.are required to “log” a minimum number of hours per week and attend all scheduled meetings.

SENIOR CAPSTONE PROJECT

(0190) SENIOR CAPSTONE PROJECT
Level: Un-weighted (Pass/Fail Grade)
Credit: 1.0
Offering: Fall, Spring to grade 12
Prerequisite: none
The purpose of the Bacon Academy Capstone is to showcase the 21st century learning expectations that will be required of a productive citizen. This project is a self-driven, authentic experience empowering students to apply the skills acquired over the course of their education and to demonstrate an understanding of learning, community, and self. The Capstone program provides students with the opportunity to apply and broaden their knowledge and skills in an area of personal interest. The project will culminate in a "Senior Capstone Night" which welcomes parents and community members to come and see students final projects. Students will be graded in pass/fail manner. In order to pass this course, students must demonstrate the ability to meet all of the Bacon 10 Standards, and shadow an expert in their field of interest.

SOCIAL STUDIES

Three and one-half (3.5) credits of Social Studies are required to meet graduation requirements.
Students take Geography their freshman year, and a 1.0 credit elective their sophomore year.
Students take U.S. History junior year, and 0.5 credits in Civics or A.P. American Government and Politics their senior year.

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Introduction to Geography (required for all grade 9 students) (1 Credit)	**All students are required to take one of the following courses in grade 10** **European Civilizations (1 Credit)** **Asian Studies (1 Credit)** **Contemporary Issues (1 Credit)** **AP Human Geography (1 Credit)** **AP World History (1 Credit)**	**U.S History (required for all grade 11 students)** **AP® U.S. History (1 Credit)** **Psychology (.5 Credit)** **Sociology (.5 Credit)** **Anthropology (.5 Credit)** **Economics (.5 Credit)** **AP® Human Geography (1 Credit)** **Contemporary Issues (1 Credit)** **Asian Studies (1 Credit)** **Africa & Latin America (1 Credit)** **Middle East Studies (1 Credit)** **African American/Black and Puerto Rican/Latino Studies (1 Credit)** **European Civilizations (1 Credit)**	**Civics (.5 credit) all students are required to take this course in grade 12** **AP® American Government and Politics (.5 Credit) NOTE: AP American Government meets the Civics requirement** **AP® U.S. History (1 Credit)** **AP® Human Geography (1 Credit)** **AP® World History (1 Credit)** **Psychology (.5 Credit)** **Sociology (.5 Credit)** **Anthropology (.5 Credit)** **Economics (.5 Credit)** **Contemporary Issues (1 Credit)** **Asian Studies (1 Credit)** **Africa & Latin America (1 Credit)** **Middle East Studies (1 Credit)** **African American/Black and Puerto Rican/Latino Studies (1 Credit)** **European Civilizations (1 Credit)**

(0211) INTRODUCTION TO GEOGRAPHY
Level: 1
Credit: 1.0
Offering: Not offered in 2022-2023
Prerequisite: Placement in various levels will be made based on teacher recommendation.
This is a fundamental course for ninth grade students. Students in this course will understand how global interconnectedness impacts individual societies' economic, political, social and environmental systems. The diffusion of people, resources and ideas across the globe, and the implications of this exchange over time are an integral component of study. The course also focuses on the regionalization process used by geographers to organize and understand the arrangement of people, places and environments on Earth, and how they function at multiple scales.

(0212) INTRODUCTION TO GEOGRAPHY
Level: 2
Credit: 1.0
Prerequisite: Placement in various levels will be made based on teacher recommendation.
This is a college preparatory course for ninth grade students. Students in this course will understand how global interconnectedness impacts individual societies' economic, political, social and environmental systems. The diffusion of
people, resources and ideas across the globe, and the implications of this exchange over time are an integral component of study. The course also focuses on the regionalization process used by geographers to organize and understand the arrangement of people, places and environments on Earth, and how they function at multiple scales.

(0213) INTRODUCTION TO GEOGRAPHY
Level: 3
Credit: 1.0
Prerequisite: Placement in various levels will be made based on teacher recommendation.
This course is designed for students who desire a more rigorous course in geography. Students in this course will understand how global interconnectedness impacts individual societies' economic, political, social and environmental systems. The diffusion of people, resources and ideas across the globe, and the implications of this exchange over time are an integral component of study. The course also focuses on the regionalization process used by geographers to organize and understand the arrangement of people, places and environments on Earth, and how they function at multiple scales.

(0230) AFRICA & LATIN AMERICA
Level: 2
Credit:1.0
Offering: Annually to grades 11-12
Prerequisite: None
The objective of this course is to investigate the regions of Africa and Latin America. The geography and historical background of each region offer a basis to begin the investigation. The historical questions explored in this course include: How did indigenous peoples in Africa and Latin America live prior to European contact? How did the Trans-Atlantic Slave trade affect both Africa and Latin America? How and why were enslaved captives taken from Africa and brought to the New World? How and why did Europe conquer and colonize both Africa and Latin America? How does the history of colonization affect each region today? How are both Africa and Latin America rich and poor at the same time? How has Africa and Latin America participated in the Cold War? Current themes will also be explored such as genocide (Rwanda), governmental corruption (both regions), oil (North Africa, Nigeria, Colombia, and Peru) drug trafficking (Latin America), refugees (both regions), and immigration (both regions).

(0234) AFRICAN AMERICAN/BLACK AND PUERTO RICAN/LATINO STUDIES
Level: 2
Credit: 1.0
Offering: Annually to grades 11-12
Prerequisite: U.S. History (may be taken concurrently)
The course is an opportunity for students to explore accomplishments, struggles, intersections, perspectives, and collaborations of African American/Black and Puerto Rican/Latino people in the U.S. Students will examine how historical movements, legislation, and wars affected the citizenship rights of these groups and how they, both separately and together, worked to build U.S. cultural and economic wealth and create more just societies in local, national, and international contexts. Coursework will provide students with tools to identify historic and contemporary tensions around race and difference; map economic and racial disparities over time; strengthen their own identity development; and address bias in their communities.

(0238) CONTEMPORARY ISSUES
Level: 2
Credit:1.0
Offering: Annually to grades 10-12
Prerequisite: None
This course is designed to prepare students for full participation as citizens. After taking this class, students will understand and demonstrate a positive role in the community. Issues relevant to today's world such as voter registration, political systems, economics, finances and social problems will be discussed. Guest speakers, films, discussions and writing will be highlighted.

(0237) CONTEMPORARY ISSUES
Level: 3
Credit:1.0
Offering: Annually to grades 10-12
Prerequisite: None
This course is designed to prepare students for full participation as citizens. After taking this class, students will understand and demonstrate a positive role in the community. Issues relevant to today's world such as voter registration, political systems, economics, finances and social problems will be discussed. Guest speakers, films, discussions and writing will be highlighted.
This course includes the same curriculum as 0238, with the earned honors option for students who desire a more rigorous course. Students can choose to earn honors credit for the course by completing enrichment tasks with defined point values and expectations while demonstrating greater depth of understanding throughout the year. Students can choose a combination of options that fit their strengths, interests, and schedules.

(0229) ASIAN STUDIES
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12 (priority is given to grade 10 students)
Prerequisite: None
Asia is not only home to some of the world's most ancient cultures, civilizations and religions, but several Asian countries have established themselves as economic and political superpowers. Students in this course will demonstrate an understanding of Asian cultures through the study of the region's geography, history, religion and politics. The course will focus on South and East Asia with in-depth studies of India, China and Japan.

(0235) ASIAN STUDIES
Level: 3
Credit: 1.0
Offering: Annually to grades 10-12 (priority is given to grade 10 students)
Prerequisite: None
Asia is not only home to some of the world's most ancient cultures, civilizations and religions, but several Asian countries have established themselves as economic and political superpowers. Students in this course will demonstrate an understanding of Asian cultures through the study of the region's geography, history, religion and politics. The course will focus on South and East Asia with in-depth studies of India, China and Japan.
This course includes the same curriculum as 0229, with the earned honors option for students who desire a more rigorous course. Students can choose to earn honors credit for the course by completing enrichment tasks with defined point values and expectations while demonstrating greater depth of understanding throughout the year. Students can choose a combination of options that fit their strengths, interests, and schedules.

(0260) EUROPEAN CIVILIZATION
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12 (priority is given to grade 10 students)
Prerequisite: None

An understanding of the history that shaped Western society is essential to an understanding of the era in which we live. The first semester of this class will deal with early civilizations, starting with the Paleolithic era and end with the events of 1000 AD, the first millennium after the birth of Christ. The second semester will begin with medieval Europe (AD 1000) and continue through modern times (post WWII Europe). Major focal points for the course include Greek and Roman civilizations, the Renaissance and Enlightenment as well as the start of the Industrial Revolution. Students will study how the creation of new technologies; art, ideas, and government systems in Europe influenced subsequent world history.

(0258) MIDDLE EAST STUDIES
Level: 2
Credit: 1.0
Offering: Annually to grades 11-12. Offered to 10th grade as an additional elective.
Prerequisite: None
Students in this course will examine the Middle East through the study of the region's geography, history, religion and politics. The Middle East is not only a region rich in languages, ethnicities, cultures and civilizations, but it is also the birthplace of several of the world's major religions. The history, religions, economics and politics of the Middle East as well as the role of the United States in the region will be examined.

(0262) 🔓 AP® WORLD HISTORY: MODERN
Level: 4
Credit:1.0
Offering: Annually to grades 10 and 12 (priority is given to grade 10 students)
Prerequisite: None
AP World History focuses on developing students' abilities to think conceptually about world history from approximately 1200 CE to the present and apply historical thinking skills as they learn about the past. Five themes of equal importance
— focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions.

(0250) 🔓 AP® HUMAN GEOGRAPHY
Level: 4
Credit:1.0
Offering: Annually to grades 10-12
Prerequisite: None
The Advanced Placement course is the equivalent of a one-semester college course in Human Geography. The purpose of AP® Human Geography is to introduce the student to a study of the patterns and processes that have shaped and continue to shape human understanding, use and alteration of the earth's surface. Students employ geographic techniques to analyze human social organization and its environmental consequences. Major topics include Agriculture, Urbanization, Economic Geography, Demographics, Political Geography and Cultural Geography.

(0231) UNITED STATES HISTORY
Level: 1
Credit:1.0
Offering: This course will not be offered in 2022/2023
Prerequisite: None
This is a fundamental course designed to foster the student's understanding of the historical, cultural and political development of the United States. The course will begin with the Gilded Age, and continue through the present. Analysis will include lessons of history and current event issues. Students in the class will also study how America's economy and society have changed because of new technological developments.

(0232) UNITED STATES HISTORY
Level: 2
Credit: 1.0
Offering: Annually to students in grade 11
Prerequisite: None
This is a college preparatory course designed to foster the student's understanding of the historical, cultural and political development of the United States. The course will begin with the Gilded Age, and continue through the present. Analysis will include lessons of history and current event issues. Students in the class will also study how America's economy and society have changed because of new technological developments.

(0233) UNITED STATES HISTORY
Level: 3
Credit:1.0
Offering: Annually to students in grade 11
Prerequisite: Teacher recommendation
This course is designed for students achieving above grade level and who desire a more rigorous course in United States History. This course will begin with the Gilded Age, and is designed to foster the student's understanding of the historical, cultural and political development of the United States.

(0243) 🔓 AP® UNITED STATES HISTORY
Level: 4
Credit:1.0
Offering: Annually to grades 11 and 12
Prerequisite: None
This is a yearlong Advanced Placement survey course in American history and is designed to provide students with a solid foundation for understanding and analyzing the history of the United States, from pre-Columbian America to the present. This course requires students to develop and strengthen skills in note-taking, organization, logic, analysis, synthesis, evaluation, critical thinking, reading and writing.

(0264) 🔓 AP® AMERICAN GOVERNMENT AND POLITICS
Level 4
Credit: 0.5
Offering: Annually to grade 12
Prerequisite: None
NOTE: This course meets the Civics requirement.
A.P. Government and Politics is a college level course that explores the political theory and everyday practice that direct the daily operation of the U.S. government and shape public policies. It will also provide the students with an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and analysis of specific examples. The express purpose of this course is to prepare students to take the AP Exam for U.S. Government and Politics. AP Government and Politics is taught on a college level and requires a substantial amount of reading and preparation for every class. Students will develop a critical understanding of the strengths and weaknesses of the American political system, as well as citizen's rights and responsibilities.

(0245) CIVICS
Level 2
Credit: 0.5
Offering: Annually to grade 12
Prerequisite: None
This is a college preparatory course. Heavy emphasis will be placed on the political process and government of the United States, stressing case studies and court decisions. This course is designed to introduce graduating seniors to the political process, in which they will understand and demonstrate a positive role in the community, and develop the ability to cooperate in a diverse world.

(0259) ECONOMICS
Level: 2
Credit: 0.5
Offering: Annually to grades 11 and 12
Prerequisite: None
The purpose of this course is to aid students in understanding the economic system of the United States and how it operates. The course is designed to involve students in the practical everyday world of making intelligent decisions in money management. Students will examine their roles as consumer, worker, investor and voting citizen. Through study and discussion, each student will have a better understanding of the economic forces which will shape his or her life today and in the future. The course also examines the concepts of supply and demand, stock markets, credit, banking, personal finance, the government and its economy, as well as analyzing the different types of economic systems in use in the world today and its impact on real life issues.

(0242) PSYCHOLOGY
Level 2
Credit: 0.5
Offering: Annually to grades 11 and 12
Prerequisite: None
Psychology is the study of human behavior. Subjects such as methodology, learning, personality development, and disorders will be studied. Students taking this course will understand and demonstrate a positive role in the community based upon their experiences. During independent research, students will be reading, analyzing and evaluating information from a variety of sources. Methods of student-conducted experiments will be part of the program.

(0244) SOCIOLOGY
Level 2
Credit: 0.5
Offering: Annually to grades 11 and 12
Prerequisite: None
Sociology examines why people act the way they do, with an emphasis on the influence of one's society and social groups. Sociologists seek to explain the cause of human behavior and recognize patterns of human behavior so they can generalize and predict future behavior. Since Sociology explores the ways people interact with one another in groups, it offers students the opportunity to gain insights into their own social relationships and to develop a more objective and logical perspective. This course is also designed to encourage an exchange of ideas regarding social issues in modern industrial societies.

(0246) ANTHROPOLOGY
Level: 2
Credit: 0.5
Offering: Annually to grades 11 and 12
Prerequisite: None
Anthropology is the holistic study of humans. It deals with the origins, physical characteristics, and cultural development of humankind. This course will explore the three major disciplines within anthropology: archaeology, paleoanthropology, and cultural anthropology. Archaeology, the study of extinct cultures based on their material remains, examines methods of survey, excavation and dating of artifacts left behind by past cultures. Paleoanthropology, the scientific study of the human past, includes the study of human evolution and an examination of other primates. In studying cultural anthropology, the study of living people (particularly the world's indigenous cultures), students will demonstrate an awareness of basic aspects of human culture such as marriage and family systems, ritual, and belief in the supernatural.

TECHNOLOGY EDUCATION

Bacon Academy Technology Education courses offer a hands-on, student centered learning experience that has a focus on a diverse array of technical skills and competencies. This exciting and unique experience is a place for students to safely learn skills needed to be a successful employee in future chosen career paths. Students enrolled in Tech. Ed. courses learn a variety of life skills that include troubleshooting, design, inquiry, and problem solving. A major focus of this experience is exploration of careers, developing employability skills, and learning technical skills that help students further expand their knowledge, education, and future opportunities. These courses offer a wide array of experiences. Whether you're a beginner and want to just learn the basics, or you want to prepare for an advanced career path, Bacon Tech Ed. is the perfect place to have fun and learn skills to propel your future.

All Technology Education courses will place a focus on:
Bacon 10 #7: Students will solve problems using academic, technical, social, and creative skills.

(0739) 🔓 ADVANCED GRAPHICS

Level: 2
Credit: 1.0 (College credits earned through TRCC-CCP)
Offering: Annually
Prerequisites: Digital Photography or Graphics I

Advanced Graphics uses the enhancement of the Adobe Creative Suite software, which includes Photoshop, InDesign and Illustrator to create advanced graphics projects. We will also be learning the basics of GStudio, the vinyl cutting software. Advanced style and techniques will be used throughout the layout and design process. The design process will be explored further, and students will be given more challenging graphic tasks and assignments which will include logo design, magazine design, poster design, advertisement design, and your own personal projects that are of interest to you.

(0774) 🔓 ARCHITECTURAL ENGINEERING

Level: 2
Credit: 1.0 (College credits earned through TRCC-CCP)
Offering: Annually to grades 9-12
Prerequisites: None

The Architectural Engineering class will approach the field of 3D Engineering with a project-based home design problem. The class will cover topics such as the roles of Architects, Draftsperson and others in the creation of a new home, project planning, space planning, building a design from foundation to sectionals, project documentation and presentation. Students will apply their knowledge of structural and engineering design, along with research into the field of architectural engineering to complete the project.

(0729) 🔓 AUTOMOTIVE TECHNOLOGY

Level: 2
Credit: 0.5 (College credits earned through GCC-CCP)
Offering: Fall, Spring to grades 9-12
Prerequisites: None

This course is a must for anyone who plans on driving a car. Designed for the beginner, this course requires no experience in Technology Education. Students will learn the basics of maintaining a vehicle such as checking oil, fluids, changing flat tires, changing wiper blades, car ownership skills, and the initial steps of troubleshooting problems. Students will participate in a hands-on setting and perform basic maintenance related tasks and repairs. Students can work on their own car but are not required to supply an automobile. No experience is necessary.

(0724) COMPUTER INFORMATION TECHNOLOGY
Level: 2
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisites: None
Computer Information Technology is a course designed to teach you about computer repair, troubleshooting, network and operating systems. This course is an interactive and hands-on curriculum that introduces students to the basics of computer troubleshooting and repair. Students will learn about different computer hardware components, their roles and responsibilities, as well as computer networking systems. In this course students will work to solve various computer problems and will learn the skills necessary for entry level IT jobs.

(0778) 🔓 DIGITAL PHOTOGRAPHY
Level: 2
Credit: 0.5 (College credits earned through TRCC-CCP)
Offering: Fall & Spring Grades 9-12
Prerequisites: None
In Digital Photography students will learn all about Photography. We cover the basics of taking a photo, how to use all the functions of your camera, how to take the best picture you can with your phone, and basic composition techniques. Students will have the opportunity to use and take pictures on DSLR cameras and then apply basic edits to the photos in Photoshop. Some of the projects include: mastering the art of selfies, portrait photography, action photography, photojournalism, and landscape pictures.

(0775) ENGINEERING 1
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisites: Pre-Engineering, or Architectural Engineering, or STEM Physics
The purpose of this class is to take the design skills you have learned in the previous two engineering classes and apply them to a real-world situation. The class will create community based or school based projects using the CNC router, laser cutter, 3D printers or CNC lathe. The outside project will change from year to year.

(0776) ENGINEERING 2
Level: 2
Credit: 1.0
Offering: Annually to grades 11-12
Prerequisites: Engineering 1
This course is offered to students who show an in-depth interest in engineering. This course will strengthen skills introduced in Pre-engineering, Architectural Engineering and Engineering 1. Students are usually scheduled with the Engineering 1 class or as an independent study. Students will produce advanced projects on the CNC router, plastic injection mold machine, and CNC lathe.

(0777) GRAPHICS I
Level: 2
Credit: 1.0
Offering: Annually
Prerequisites: None
Graphics I is a course for anyone interested in learning the basics about Graphic Design. Students will learn how to manipulate photos in Adobe Photoshop and learn how to create their own original designs from scratch using Adobe Illustrator. Students will use these skills to make some of the following projects: hats, t-shirts, mugs, collages, face swaps, silk screen printing, creating and printing vinyl decals, learn how to use a vinyl cutter and create vector drawings of yourself.

(0753) MANUFACTURING I
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 9-12
Prerequisites: None
Manufacturing technology is the study of how to produce a product in an industrial setting. Students will learn to obtain natural resources, produce industrial materials, and make finished products. Starting with learning the basic metalworking tools, machines and processes used in the manufacturing lab, this course will have a heavy focus on sheet metal art, design and fabrication. Students should expect to spend time producing products in the manufacturing laboratory.

(0726) 🔓 MANUFACTURING II
Level: 2
Credit: 1.0 (College credits earned through TRCC-CCP)
Offering: Annually to grades 10-12
Prerequisites: Manufacturing I
This course is designed for students who show an in-depth interest in Manufacturing and are looking to build upon their skills and knowledge with the introduction of advanced manufacturing processes. This hands on course will teach students several manufacturing processes such as welding, plasma cutting, sandblasting, milling, turning (lathe), casting, forging, threading, advanced sheet metal techniques, heat treatment of metals and much more. All projects will be student designed and personalized. Upon successful completion of this course with a grade of 73 or higher, students will earn college credit through Three Rivers Community college.

(0757) MANUFACTURING DESIGN AND PRODUCTION
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisites: Successful completion of Manufacturing II, Graphics I or Advanced Graphics.
In this course the primary focus is taking the design aspect of Graphics and combining it with the production aspect of Manufacturing. Students will be creating their own projects using the Adobe Creative Suite and creating physical products using metal, plastics, paper and other media in the forms of signage, advertising and art. This course teaches students about different materials, their properties, and appropriate applications. In addition, this course focuses on exposing students to different technologies and production techniques which could allow a student to enter into different manufacturing, engineering and design careers. Students will be using technology such as CNC machines, welders, lathes, mills and other tools or machines needed to fabricate, construct and design their products.

(0718) 🔓 PRE-ENGINEERING
Level: 2
Credit: 1.0 (College credits earned through TRCC-CCP)
Offering: Annually to grades 9-12
Prerequisites: None
This course is designed to give students the skills needed to solve engineering problems by designing solutions, generating ideas, and developing new products. This course will integrate teamwork, the design processes, and reporting results while solving engineering problems. All designs will be drawn using standard CAD software and built using the CNC router, laser cutter, or 3D printers.

(0455) 🔓 SCIENCE AND ALTERNATIVE ENERGY TECHNOLOGY
Level: 2 (College credits earned through TRCC-CCP)
Credit: 1.0 Offering: Annually to grades 10-12
Prerequisites: Successful completion of Integrated Science, Energy Explorations or teacher recommendation.

The Science and Alternative Energy Technology course will focus on the importance of establishing and building sustainable alternative energy options. Students will discover how their decisions can impact the environment through education, career opportunities, and daily routines. This team-taught (Science & Tech Ed), hands-on course will explore technology and its impact on the environment, both positive and negative. Students will focus on energy efficiency through participation in various energy audits, and creation of projects. Students will develop projects that can be applied to the topics covered; alternative energy, recycling, water preservation and purification, transportation, waste 59 management, and environmental remediation.

(0725) 🔓 TECHNICAL REPAIR
Level: 2
Credit: 1.0 (College credits earned through GCC-CCP)
Offering: Annually to grades 9-12
Prerequisites: None
Technical Repair is a course designed for students who thrive in a hands-on setting and enjoy repairing things. The focus of this course is to diagnose, maintain and repair mechanical systems including but not limited to small engine repair and vehicle maintenance/repair. In this course students will work on cars, trucks, lawn mowers, generators, tools, and other power equipment. Students will utilize lab equipment to perform vehicle maintenance such as mounting, balancing tires and aligning vehicles. In addition students will learn the skills necessary to diagnose and repair various automobile systems.If you are a student that loves to work with your hands, and want to develop skills that will be useful in life, this class is for you.

(0714) VIDEO PRODUCTION 1
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 9-12
Prerequisite: None
Video Production gives students hands-on experience filming and producing movies of their own choosing. They learn how to organize stories and utilize professional filming and editing techniques to create a variety of videos in different genres. Topics include documentaries, news broadcasts, music videos, public service programs, sports broadcasts, as well as dramatic comedy movie shorts. Students are encouraged to come up with their own ideas for videos and to concentrate on topics of personal interest.

(0736) VIDEO PRODUCTIONS 2
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Successful completion of Video Production 1, Image Graphics or Digital Graphics. A teacher recommendation may be substituted for a student not meeting prerequisites.
This course is designed to help students develop the skills necessary for college and career-readiness. Video Production 2 will provide students with a comprehensive overview of the Video Production industry and is geared towards those who are considering a career in Video Production or who are interested in learning how to create professional quality videos for personal use. Topics covered include pre-production planning, camera system operation, lighting, audio, directing, editing, and post-production processes. This class is specifically created for students who desire to become fully conversant in the multimedia language of the 21st Century.

(0754) WOODS 1
Level: 2
Credit: 0.5
Offering: Fall, Spring to students in grades 9-12
Prerequisite: None
Take the first step to becoming a master builder. Learn the basics of designing and building structures of your choice, and gain skills that you will use for the rest of your life. Whether it is furniture for your home, items for your yard, or large projects for the community at large, Woods 1 class will teach you how to plan out and construct

structures of all shapes and sizes. You will also become proficient at safely using all of the equipment in our building lab. Upon completion of this course you will have the skills to turn your ideas into reality. If you would like to work with wood and enjoy designing and building, then this is a must class at Bacon Academy!

(0755) WOODS 2
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Successful completion of Woods 1. A teacher recommendation may be substituted for a student not meeting prerequisites.
Are you creative and like working with your hands? Wouldn't it be great to have a period in your schedule where you could design and build projects of your choosing for the whole year? Well, that is what Woods 2 is all about. Whether it's furniture for your home and yard or large scale projects for the community, we will keep you busy creating wonderful projects and gaining the awesome skills of a master builder that will serve you for a lifetime. You will become comfortable using all of the tools of the trade and will gain the confidence to take on any project. Small business management skills will also be taught so that you can turn your new skills into a future. Join us and start turning your dreams into reality!

VISUAL LITERACY

Students are required to take one credit in the fine arts or in a vocational subject as a graduation requirement. Students planning on going to college would benefit from exposure to courses in the fine arts since most colleges will require a course in this area for graduation.

(0888) ART PORTFOLIO
Level: 2
Credit: 0.5
Offering: Grades 11 and 12.
Prerequisite: Successful completion of Drawing I, Advanced Drawing, Painting I & Advanced Painting, and teacher recommendation.
Art Portfolio is a highly-advanced studio art course for the student planning to go into the field of art as a career, or compiling a portfolio of work for presentation to a college or potential employer. This course is also recommended for a college prep student who will be required to take an art appreciation course in college. Long term and involved design, drawing, painting, and sculpture assignments will be given. Students will be expected to demonstrate independent and creative solutions to these assignments utilizing the Elements of Art and Principles of Design. The media used will be the choice of the individual students. Art movements, famous artists and their work will be studied and used in many assignments. Museum and gallery visits will enhance student learning and allow students the opportunity to experience current and master artist works. Students will learn how to digitally photograph their artwork professionally for portfolio purposes.

(0896) CERAMICS
Level:2
Credit: 0.5
Offering: Spring to grades 9-12, Note: this class is limited to 15 students
Prerequisite: None
This course introduces the use of hand building clay methods that includes the slab method, the coil method, and the cup method. Students will complete a series of assignments that reflect good design used in a functional piece of art. Sculptural uses of clay will be explored in creating wall reliefs and freestanding sculpture.

(0897) ADVANCED CERAMICS
Level: 2
Credit: 0.5
Offering: Grades 11 & 12.
Prerequisite: Successful completion of Ceramics I. Note: limited to 3 students. This class is combined with Ceramics I.
This course is designed for the advanced student. Students will have the opportunity to continue to develop their skills utilizing the clay medium and refining three-dimensional expression by creating both functional and sculptural forms. A variety of hand-building techniques along with wheelwork will be implemented in several of the projected projects. Craftsmanship, creative problem solving skills, aesthetic presentation, and original ideas will be stressed.

(0882) DRAWING I
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 9-12
Prerequisite: None
The course teaches basic studio drawing emphasizing the use of pencil in value and linear drawing. Assignments will stem from a thorough study of the Elements of Art via text and hands on exploration, including Line, Value, Texture, Shape & Form, Color, and Space (both linear and aerial perspective). The Principles of Design will also be explored. Direct Observational assignments will be given to improve the ability to see and create realistic drawings. Through a series of required projects, students will gain visual communication skills to express ideas more effectively. Master and current artists and their works and cultures will be examined to illustrate the Elements of Art. Additionally, students will submit work via a Google Slide Portfolio, allowing for an introduction to creating quality layout and design presentation skills. This course is a prerequisite for most upper level art courses.

(0886) ADVANCED DRAWING
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 9-12
Prerequisite: Successful completion of Drawing I
This course is designed for intermediate and advanced students, providing challenging experiences in the translation of three-dimensional forms onto a two-dimensional surface. In the first quarter, students will continue to improve and refine basic drawing skills learned in Drawing I, utilizing the Elements of Art, while developing a solid understanding of the Principles of Design. Emphasis will be placed on the process of drawing, recognizing spatial relationships and creating work that accurately depicts the subject. The study of composition and perspective will be further explored. Students will continue to build their confidence by applying the basic elements of design to create powerful compositions while experimenting with a variety of media, surfaces, and techniques. Additionally, through figure studies, students will have the opportunity to address the many challenges of depicting the human form using rapid gestures as well as sustained poses. The culmination of skills is assessed through a self-portrait.

(0891) 3-D DESIGN AND STAINED GLASS
Level: 2
Credit: 0.5
Offering: Fall or Spring to grades 9-12, Note: this class is limited to 15 students
Prerequisite: Successful completion of Drawing I.
This course encourages experimentation with various materials and techniques as it relates to space and volume in three dimensions. Students will be encouraged to develop ideas and create sculptures with the application of design principles to space and form. Also included is the process of stained glass construction. Students will use previously learned artistic techniques of drawing/painting to establish studies that will be translated into stained glass.

(0889) ILLUSTRATION
Level: 2
Credit: 0.5
Offering: Grades 11 and 12.
Prerequisite: Successful completion of Drawing I, Advanced Drawing, Painting I & Advanced Painting, and teacher recommendation.
This course is beneficial to students planning to major or minor in the visual arts or for those students planning a career in the arts, specifically the three primary markets for illustrators: advertising illustration, editorial illustration, and book illustration. The course will include the study of master illustrators. Students will be expected to illustrate their own original compositions using a variety of different media. Students will learn how to digitally photograph their artwork professionally for portfolio purposes.

(0884) PAINTING I
Level:2
Credit: 0.5
Offering: Fall, Spring to grades 9-12 (College credits earned through the College Career Pathways Program)
Prerequisite: None
This course teaches basic skills in painting. Students will learn color theory including monochromatic, analogous, complementary, split-complementary and triadic color schemes. Basic brush techniques will be taught using both realistic and abstract subject matter. The student will have an opportunity to create original artwork using a variety of different painting media. Master and current artists and their works and cultures will be examined to illustrate the Elements of Art and the Principles of Design, color theory and painting techniques. Additionally, students will submit work via a Google Slide Portfolio, allowing for an introduction to creating quality layout and design presentation skills.

(0885) ADVANCED PAINTING
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 9-12
Prerequisite: Successful completion of Drawing I and Painting I
This studio course emphasizes the importance of composition. Students will explore various painting mediums with special interest in subject matter including design, still life, landscape, and culminating with a self-portrait. Master painters will be studied and used as a basis for some projects. Many styles and techniques used in painting will be explored and direct observational **painting will be required. Students will learn how to stretch and prime canvas for use with acrylic and/or oil paint.**

(0898) SKETCHBOOK FUNDAMENTALS
Level:2
Credit: 0.5
Offering: Fall, Spring to grades 9-12
Prerequisite: None
This course provides an opportunity for hands-on use of a sketchbook while exploring ways in which to create with your experiences, interests and visual experiments. Through the fundamentals of design, the sketchbook is used as a visual journal to learn, record and develop ideas in a purposeful way. Compositions will be developed using a variety of materials and methods including drawing, painting, mixed media, and writing, as well as technological components. Students are encouraged to discover and pursue personal means of inquiry and self-expression using the sketchbook as the vehicle. This course is open to those with basic drawing skills and the advanced student as well.

(0899) 🔓 AP® STUDIO ART
Level: 4
Credit: 1.0 (College credits earned through ECSU-DEP or AP® test)
Offering: Annually to grade 12
Prerequisite: Successful completion of all foundation courses and Advanced Drawing, Advanced Painting, Portfolio, Illustration and teacher recommendation.
This is an advanced placement course which is the equivalent of a college level foundation art course. The AP® Studio Art program focuses on national standards and high levels of expectation and achievement. It is the essential ingredient in the education of a college bound student majoring in the Visual Arts. Students will independently prepare 20+ works to submit to the A.P. College Board for review (in place of an exam). Qualifying portfolio scores (3 or higher) may be eligible for college credit. Summer assignments are mandatory along with an extensive sketchbook including drawings and writings. Time and funding permitting - field trips will be taken to museums and galleries within Connecticut, as well as to New York and/or Boston. Exams and digital imaging fees are required. For more information about AP® Studio Art visit collegeboard.org/apstudents.

(0831) UNIFIED ART
Level: 2
Credit: 0.5, semester course can be repeated
Offering: Fall, Spring to grades 10-12, Note: Enrollment is dependent on the number of peers needed as partners.
Prerequisite: Drawing 1 and/or teacher recommendation
This course is open to any student with art experience who wants to be a partner in visual communication (art making) as well as verbal and written communication. This class was initiated by the Special Olympics of Connecticut Unified Art Program which provides a forum for positive social interaction between students with intellectual disabilities and those without. The artist partnership cultivates a greater understanding of oneself, and of others. Working collaboratively leads to new friendships, improved self- esteem and positive changes in attitude, behavior and performance. Each child is given the opportunity to develop artistically, experience joy, and participate in the sharing of their gifts with peers and showcase their work in community settings. The Unified Art program fosters an inclusive school community where the values of tolerance, patience and sensitivity are cornerstones.

WORLD LANGUAGE

Learning another language is important in today's increasingly global society. In studying another language, you not only learn to communicate in a variety of methods, you also learn about the culture of the countries where that language is spoken. Understanding and accepting other cultures helps you to be more knowledgeable of people and situations in your own culture, which may be new or different to you. Knowing another language is also useful if you plan a career in business, media, education, professional translation, law, medicine, science, politics, service occupations, fashion or travel, to name a few. Our courses will provide students with the opportunity to become linguistically and culturally competent in a world that increasingly demands proficiency in communicative language. The study of another language at the high school level can be both a rewarding and demanding endeavor. Success in the study of English is a strong indicator of potential success in the study of another language. Other factors leading to success in studying a world language are a sincere desire to learn, good study habits, and a growth mindset. Students should begin to study their world language with a commitment to continue for at least two years, preferably three or four. One year's study of another language is of little lasting value; only after three consecutive years can students expect to be able to use the second language in real world situations successfully. Students who have an interest in going to college should make every effort to successfully complete at least three sequential years of one World Language. Students who are planning to attend a college/university should find out the specific requirements for entrance, since many of them have both entrance and exit requirements. Students who demonstrate proficiency in one language should consider: 1) Taking advanced levels of a first world language; 2) adding a second world language in the 10th or 11th grade. All subsequent course

listings of a 1.0 credit value satisfy the credit needed for graduation from Bacon Academy. Placement is determined on previous coursework.

The World Language Department strongly encourages students to aim for earning the **Seal of Biliteracy** on their diploma and transcript through the study of a language other than English due to the benefits for both college and career opportunities after graduation.The World Language Department helps prepare students to earn the Seal of Biliteracy by doing skill based activities and assessments in a language other than English. It is recommended that students wait to take the external assessment to assess their skill level in a language other than English until they are at an Intermediate Mid or higher level (typically spring of Year 4), unless the students have more experience with the language outside of school. Please refer to the table of contents for more information on earning the Seal of Biliteracy.

All courses in the World Language Department focus on the following Bacon 10 statements: Students effectively communicate (by verbal, non-verbal, written and/or visual means) independently and collaboratively according to their audience and purpose. Students recognize and examine perspectives of global themes. Students will be assessed on standards within 3 modes of communication as appropriate for their level of proficiency: Interpretive skills (Literal Comprehension, Interpretive Comprehension, Interculturality), Interpersonal skills (Engagement, Communicative Strategies, Comprehension & Collaboration), and Presentational skills (Production, Distribution, Mechanics). These skills are assessed in Integrated Performance Assessments for each unit of instruction. The remainder of a student's grade will be determined by their Bacon10 project submissions and their scores on the department's class interactions rubric which outlines expectations for coursework completed in and outside of the classroom. Formative practice is essential for skill development and for success on unit assessments. One component of their class interactions score is the required creation and maintenance of a portfolio that contains the student's evidence of learning, as well as goals and opportunities for reflection, throughout the course. Our department believes that self-reflection is a crucial part of the learning process and for success beyond high school.
Beginning with the graduating class of 2025, students who complete grade 7 world language and complete and pass the same world language (e.g., Spanish and Spanish) in grade 8 at WJ Johnson Middle School will earn 1.0 World Language credit towards graduation.

FRENCH

Bienvenue! Welcome to the French-speaking world of over 50 countries and regions across five continents. French is the second language chosen all over the world by people who do not study English. French is one of the three most commonly used languages of the Internet. The language of diplomacy, French is a language for international communication, culture, diplomacy, science, research and business. For those interested in international issues, French is one of the official working languages for organizations including the UN, NATO, UNESCO, the Olympics and the International Red Cross. In our global 21st century world, a working knowledge of French helps you to be more competitive in fields such as business, medicine, law, aviation, and transportation technologies.

Through the study of French, you will also be improving your English, as French is a base for more than 50% of modern English vocabulary. It can also open doors to art, music, fashion, food, architecture and literature. Through the study of French, you may come to understand the philosophies of Descartes, Pascal, Camus, Rousseau or Saint Exupéry in a different way than a non-French speaker. You can explore the art and architecture which has inspired people throughout the world, from Monet, Manet, Degas and Magritte to Mansart, L'Enfant, Haussmann and Eiffel. The study of French may enable you to better understand many of the global issues and possible solutions to these problems, as well as making many international friends.

(0510) FRENCH 1
Level: 2
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: None
Bienvenue! This course is intended for the beginning French language student with limited or no language experience. In this introductory language course students will develop the essential skills of language learning (speaking, reading, writing, and listening). Students are introduced to the Francophone world from France to Canada to the Côte d'Ivoire and more through the study of daily teen life, family, dining and pastimes and cultural celebrations. Throughout the year, students will be developing their language skills to express basic thoughts and needs, and identify similarities and differences between the cultures of the target language and their own. This course emphasizes the speech patterns, basic grammar, and vocabulary of the French language. The initial focus is on oral communicative proficiency, with increased emphasis on reading and writing skills in the second part of the course. At the end of French I, you will be able to use simple language to express basic thoughts and needs and understand the numerous cultures the way other cultures view the world at the Novice Mid-High level.

(0520) FRENCH 2
Level: 2
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: Teacher Recommendation
In this course, students will gain proficiency and become more confident in listening, speaking, reading, and writing *en français.* Students will build on practical skills by exploring topics such as: getting around town, gathering around the table, being fit and healthy, going on vacation and childhood memories. At the end of French II, students will be able to hold simple conversations about the past and present at the Novice High level. A continued understanding of the breadth and variety of the French speaking world will be emphasized, including exploration of France's provinces, overseas departments and territories.

(0530) FRENCH 3
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Teacher Recommendation
Allez, viens! For students who want to explore in-depth the situational use of everyday French. This course develops the student's basic knowledge of the language through role-play and real life situations/simulations. Students will further develop their comprehension and communication skills by exploring travel, cinema, music, and other modes of art, the environment, and the educational and professional fields. The emphasis of this course is on more complex communication through writing, reading, listening and speaking in the past, present and future tenses. Students will expand their application of the language through role-play and real life situations/simulations. The students should be able achieve Intermediate Low-Mid proficiency in French to discuss, express, and react to more complex, everyday situations about the community around them. Limited use of English is emphasized.

(0531) FRENCH 3
Level: 3
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Teacher Recommendation
Allez, viens! Taught in the target language, French III Level 3 is for the motivated language student. Students will continue to build listening, speaking, reading and writing skills with an increased emphasis on more complex communication for real-life situations. Students will further develop their comprehension and communication skills by exploring driving, travel, cinema & music, the environment and outdoor activities, shopping and social relationships. Historic and cultural information based on the cultures of the Francophone world will be explored by using more difficult authentic texts, including literature and media. The students should achieve Intermediate

Low-Mid proficiency in French to be able to discuss, express, and react to more complex, everyday situations about the community around them. This course requires a higher level of competence in all core skill areas, with an expectation of consistent communication and active participation in the language.

(0540) FRENCH 4
Level: 3
Credit: 1.0
Offering: Annually to grades 11-12
Prerequisite: Teacher Recommendation
This course is for motivated language students. Students will continue to build listening, speaking, reading and writing skills with an increased emphasis on more complex communication for real-life situations. Students will further develop their comprehension and communication skills by exploring their heritage and family, make travel arrangements, explore the world of work, discuss current events and finally study and critique francophone cinema and art at the Intermediate High-Advanced Low level. Students will use authentic texts, newspapers, magazine articles, film and various artistic mediums to evaluate and assess, as well as to compare and contrast francophone cultures with their own. This course requires a higher level of competence in all core skill areas, with an expectation of consistent communication and active participation in the language at the Intermediate High-Advanced Low range. Students will also have the opportunity to receive 4 credits from Three Rivers Community College. ***Students will have the opportunity to take an external assessment to receive the Seal of Biliteracy on their diploma.***

(0541) FRENCH 4
Level: 2
Credit: 1.0
Offering: Annually to grades 11-12
Prerequisite: Teacher Recommendation
In this course, your three years of French will be put to good use. Students will be able to communicate about their heritage and family, make travel arrangements, explore the world of work, discuss current events and finally study and critique francophone cinema and art at the Intermediate Low-Mid level. Students will use authentic texts, newspapers, magazine articles, film and various artistic mediums to evaluate and assess, as well as to compare and contrast francophone cultures with their own.Students will also have the opportunity to receive 4 credits from Three Rivers Community College. ***Students will have the opportunity to take an external assessment to receive the Seal of Biliteracy on their diploma.***

(0563) ADVANCED FRENCH GLOBAL CULTURE
Level: 4
Credit: 1.0
Offering: biennially to students in grades 11 and 12 (Not offered 2022-2023)
Prerequisite: Teacher Recommendation
This course is conducted in French and is designed for those students with a serious interest in French language, culture, literature and history. There will be a thorough review of French grammar and style with a focus on oral communication and the development and refinement of effective speaking techniques. This course will explore and analyze contemporary cultural and thematic units relating to everyday life.The goal for this advanced level of study is for students to read, write, speak and understand French at a level that permits them to use their skills successfully in a Francophone country.
Students may choose to take this course for college credit as part of the UCONN's Early College Experience (ECE) program. Students must receive a C or better in this course in order to be awarded 3 UCONN college credits. Please note that students electing to take this course for college credit will be required to present an in–depth *analyse de texte* at the end of the year.

(0564) ADVANCED FRENCH LANGUAGE AND CIVILIZATION
Level: 4

Credit: 1.0
Offering: biennially to students in grades 11 and 12 (Not offered 2022-2023)
Prerequisite: Teacher Recommendation
This course is conducted in French and is designed for those students with a serious interest in French language, history, literature and culture. There will be a thorough review of French grammar and style with a focus on perfecting informal as well as formal written expression. This course will explore France's rich history and cultural traditions and will analyze Francophone culture and civilization through fiction, non-fiction, journalism and film. The goal for this advanced level of study is for students to read, write, speak and understand French at a level that permits them to use their skills successfully in a Francophone country. Students may choose to take this course for college credit as part of the UCONN's Early College Experience (ECE) program. Students must receive a C or better in the course to be awarded 3 UCONN college credits. Please note that students electing to take this course for college credit will be required to write a five-page research paper.

(0550) 🔓 AP® FRENCH LANGUAGE & CULTURE
Level: 4
Credit: 1.0
Offering: Not offered 2022-2023 school year
Prerequisite: Teacher Recommendation
This course is designed for students who wish to continue their studies of the French language. The goal of this advanced level of study is for students to communicate successfully in a Francophone country. Students will explore the culture by reading and analyzing various short stories, novels, plays, periodicals and poems as well as viewing authentic videos. Students will learn to write in informal as well as formal contexts including journal keeping, creative compositions, persuasive, and expository essays. Students will be evaluated through a variety of written and oral presentations, reading and listening comprehension activities, tests, projects, and simulated AP exams. The Advanced Placement Language Exam of the College Board will be offered to students in May. This may provide students with the opportunity to receive college credit. While students are encouraged to take the AP exam, it is not a course requirement. A summer homework assignment requiring about 8 hours to complete will be distributed during the 4th quarter to those students enrolled in this AP course.

SPANISH

Spanish is one of the major languages of the world. It is spoken throughout Latin America (except Brazil) as well as Spain. As the United States becomes more and more involved with the Spanish-speaking world, it is important that we understand the language of our neighbors to the south and in Europe. American business and service organizations are not likely to hire you based on language skills alone, but many of them do recognize the importance of knowing another language. The engineer whose knowledge of Spanish comes in handy quite often may find that in five years his/her language skills are as valuable to his/her company as his/her technical skills. Through the study of the Spanish-speaking world, you may come to understand cultural products, practices, and perspectives sharpening your global awareness.

(0512) SPANISH 1
Level: 2
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: None
¡Bienvenidos! This course is intended for beginning language students with limited or no language experience. In this introductory language course students will develop the essential skills of language learning (speaking, reading, writing, and listening). Students are introduced to the Spanish-speaking world through the study of daily teen life, family, meals, pastimes and cultural celebrations. At the end of this course, students will be able to use simple language to express basic thoughts and needs and identify similarities and differences between the cultures of the target language and their own at the Novice Mid-High range.

(0522) SPANISH 2
Level: 2
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: Teacher recommendation
¡Adelante! In Spanish 2, students will gain proficiency and become more confident in listening, speaking, reading, and writing *en español.* Students will build on practical skills by exploring topics such as: likes/dislikes, personal style, childhood, health and well-being, daily routine, and teen life. At the end of this course, students will be able to hold simple conversations about the past and present. Students will further explore the Spanish-speaking world through comparisons of daily life, travel experiences and people at the Novice High level.

(0532) SPANISH 3
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Teacher recommendation
¡Continuemos! This course is designed to help students explore the situational use of everyday Spanish at a slower pace through writing, reading, listening and speaking in the past, present and future tenses. Students will further develop their comprehension and communication skills by exploring identity, upbringing, environment, technology, music, dance, art, social relationships and discrimination. Historic and cultural information based on the cultures of the Spanish-speaking world will be explored by using more difficult authentic texts, including literature and media. The students should achieve enough proficiency in Spanish to be able to discuss, express, and react to more complex, everyday situations about the community around them at the Intermediate Low-Mid range. Limited use of English is emphasized.

(0533) SPANISH 3
Level: 3
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Teacher recommendation
¡Continuemos! This course is for motivated language students. Students will continue to build listening, speaking, reading and writing skills with an increased emphasis on more complex communication for real-life situations. Students will further develop their comprehension and communication skills by exploring identity, upbringing, environment, technology, music, dance, art, social relationships and discrimination. Historic and cultural information based on the cultures of the Spanish-speaking world will be explored by using more difficult authentic texts, including literature and media. The students should achieve enough proficiency in Spanish to be able to discuss, express, and react to more complex, everyday situations about the community around them at the Intermediate Low-Mid range. This course requires a higher level of competence in all core skill areas, with an expectation of consistent communication and active participation in the language at the Intermediate Low-Mid range.

(0542) 🔓 SPANISH 4
Level: 3
Credit: 1.0 (College credits earned through ECSU-DEP)
Offering: Annually to grades 11-12
Prerequisite: Teacher recommendation
¡Avancemos! In this course, students will continue their honors-level language studies in anticipation of advanced coursework in the following years. Contemporary topics will be addressed by using current print and digital media. This course will concentrate on a thorough review of grammar while refining listening, speaking, writing and reading skills. Self-expression in the target language is expected in class discussions, guided compositions and oral and written presentations. Students are evaluated based on their ability to use all four core skills to communicate thoughts and opinions in conversational and written Spanish at the Intermediate High-Advanced Low range. Consistent, interactive and spontaneous student participation in discussions and activities is critical to

student success in this course. Students may choose to take this course for college credit as part of the Eastern Connecticut State University (ECSU) program. Students must receive a C or better in this course to be awarded 6.0 ECSU college credits. Please note that students electing to take this course for college credit will be required to enroll at ECSU, which includes a reduced fee for the course. ***Students will have the opportunity to take an external assessment to receive the Seal of Biliteracy on their diploma.***

(0554) 🔓 ADVANCED SPANISH LANGUAGE
Level: 4
Credit: 1.0 (College credits earned through ECSU-DEP)
Offering: Annually
Prerequisite: Teacher recommendation
This course is designed for students who wish to continue their studies of Spanish language and culture. The goal of this advanced level of study is for students to speak, write, read, and understand Spanish at a level that permits them to use their advanced skills successfully within authentic contexts. Students will explore cultural products, practices and perspectives through a variety of authentic print, audio and audiovisual texts while refining core language skills and making comparisons and connections among cultures. Students will speak and write both formally and informally for various audiences incorporating information acquired through reading and listening at the Intermediate High-Advanced Low range. A summer homework assignment focused on the core skills of speaking, reading, writing and listening skills will be distributed during 4th quarter to those students enrolled in this course. Students may choose to take this course for college credit as part of the Eastern Connecticut State University (ECSU) program. Students must receive a C or better in this course to be awarded 6.0 ECSU college credits. Please note that students electing to take this course for college credit will be required to enroll at ECSU, which includes a reduced fee for the course.

SPANISH ELECTIVES

YEARS 4 & 5 (Semester Language Courses)
Students must successfully complete Spanish 3 and have teacher recommendations to take any of the semester courses listed below. Students can be simultaneously enrolled in Spanish 4 Level 3 or Advanced Spanish Language while taking any of the semester courses. Each course is worth a ½ credit and is considered credit towards Spanish language study. These semester language courses are targeting a level of proficiency at the Intermediate Low-Mid range. **These classes are subject to run based on student interest and teacher availability.**

(0514) SPANISH CULTURE THROUGH CINEMA
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 11-12
Prerequisite: Successful completion of Spanish III
Lights! Camera! Action! In this course, students will explore cultural themes through Hispanic film. By examining the influence of cultural perspectives, students will gain insight and share their opinions and views on historical and contemporary issues of the Spanish-speaking world. This course will focus on comprehension and communication, asking students to apply their skills from years 1 through 3. Students are evaluated based on their ability to use presentational and interpretive skills to communicate thoughts and opinions in conversational and written Spanish. Consistent student participation in formative tasks is critical to student success.

(0517) SPANISH FOR THE WORKING WORLD
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 11-12

Prerequisite: Successful completion of Spanish III
¡A trabajar! In this course, students will investigate the importance of bilingualism in the workplace by examining careers and professions. Some include (but are not limited to): medicine, social services, first responders, and business. This course will focus on comprehension and communication, asking students to apply their skills from years 1 through 3.
Students are evaluated based on their ability to use interpersonal, presentational, and interpretive skills to communicate thoughts and opinions in conversational and written Spanish. Consistent student participation in formative tasks is critical to student success.

(0519) SURVIVAL SPANISH FOR THE TOURIST
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 11-12
Prerequisite: Successful completion of Spanish III
¡Vamos de viaje! In this course, students will explore situations and scenarios related to common travel experiences in the Spanish-speaking world. This course is geared towards practical application of language for students hoping to travel in the future. Scenarios/situations may include: transportation, reservations/lodging, cultural norms, directions, and shopping. This course will focus on comprehension and communication, asking students to apply their skills from years 1 through 3. Students are evaluated based on their interpersonal and interpretive (both reading and listening/viewing) language skills. Assessments in this class will be based on simulated experiences with an emphasis on speaking. Consistent student participation in formative tasks is critical to student success.

(0524) WORLD OF SPORTS: SPAIN AND L.A.
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 11-12
Prerequisite: Successful completion of Spanish III
¡Goooooooooool! In this course, students will explore Hispanic cultures through the world of sports. Students will examine perspectives on athletics as it compares to other cultures and share their own personal opinions and experiences. Some topics may include soccer, bullfighting and baseball. This course will focus on comprehension and communication, asking students to apply their skills from years 1 through 3. Students are evaluated based on their ability to use interpretive and presentational skills to communicate thoughts and opinions in Spanish. Consistent student participation in formative tasks is critical to student success.

YEARBOOK

(0731) YEARBOOK PRODUCTION
Level: 2
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: None
Yearbook is a year-long elective course that culminates in the production of the Bacon Academy yearbook, The Baconia. Students enrolled in this class will develop skills in graphic design, design software (Adobe Photoshop, and InDesign), digital photography, digital design, journalistic writing techniques, principles of advertising, leadership, and cooperative teaming.